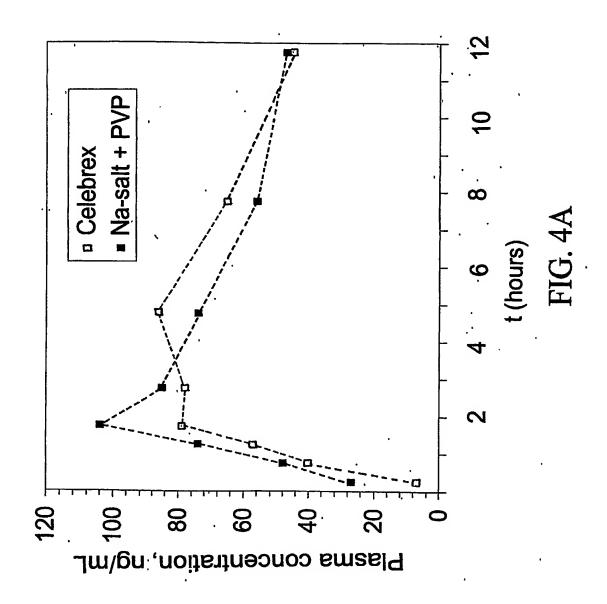
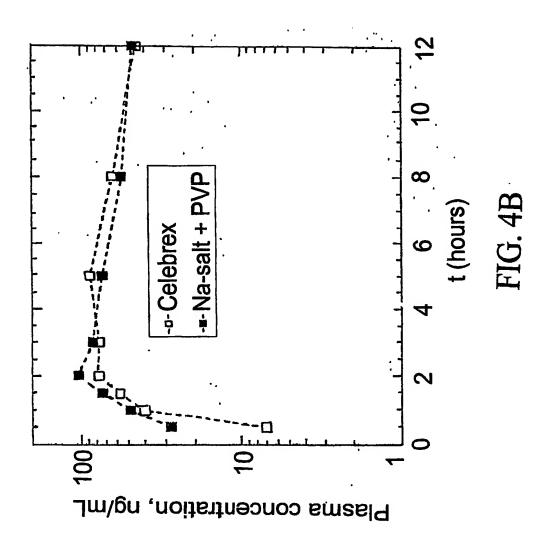


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		Perce	nt Mass wi	Percent Mass with respect to TPI-336 freeacid content	o TPI-336 f	reeacid co	ntent
Formulation					Pluronic	Pluronic	
# & Dosing	TPI-336 Form	HPC	TPGS	Avicel	F127	L44	PEG400
1 – IV	Freeacid	;	-	1	*	ł	••
2 – Oral	Freeacid	100	-100	20	ı		-
3 – Oral	Celebrex (i.e., freeacid)		-	1 .	1	. 1	1
4 – Oral	Na Hydrate	100	100		**	1	
5 – Oral	Na Hydrate	100	100	50		·	1
6 – Oral	Na PG Solvate	100	100		1	-	1
7 – Oral	Na Hydrate	·100	-		- 100		1
8 – Oral	Na Hydrate	100	i	+	100	. 40	1
9 – Oral	Na Hydrate	100	1		100	ŧ	40

FIG. 5A

- 1		7		τ	-	_	**	7		_	_	_										•
	F(%)	40.5	(15.45)	VIA	<u> </u>	29.80	(17.14)	103.2	(12.82)	89.15	(9.70)	99.43	(3 68)	109.4	(14.92)	97.82	(3.36)	108.9	(2.57)	05.0	8.C8	(0.68)
	CL/F (mL/hr•kg)	798	(317)	278	(22)	1072	(767)					T		T		T		T		1	623	(22)
	(hr)	9.3	(3.5)	8.2	(5.9)	8.5	(2.0)	2.7	(3.7)	9.0	(2.7)	7.1	(2.5)	7.7	(1.2)	6.1	(5.9)	9.0	(1.8)	2 2	? ?	(3.2)
	AUC(I) (ng•hr/mL)	7663	(3119)	3808	(933)	7290	(5624)	10100	(4729)	17031	(4263)	24994	(7596)	22711	(4043)	14669	(2496)	22365	(3448)	24277	7,017	(5469)
	Tmax (hr)	1.25	(0.88)	NA		2.7	(1.5)	0.4	(0.1)	0.75	(0.27)	0.80	(0.29)	9.0	(6.3)	1.0	(0.0)	0.5	(0.0)	0.5) ((0.0)
	Cmax (ng/mL)	654	(199)	718	(91)	622	(484)	1635	(144)	2495	(089)	3445	(646)	2955	(794)	2276	(272)	3411	(223)	3121	37.5	(811)
	dose (mg/kg)	5.09	(0.05)	1.0	(0.00)	5.14	(0.124)	2.85	(0.27)	5.05	(0.12)	7.54	(0.24)	4.89	(0.49)	5.29	(0.07)	5.26	(0.03)	5.45		(0.00)
	Route	Oral	5	2		Oral		Oral		Oral		722	Çlai			- I			5			
	Formulation ID	Celebrex ^a		Celecoxiba		ferroxio Tree	יייייייייייייייייייייייייייייייייייייי	Celecoxib	Na/HPC/1PGS	Celecoxib	Na/HPC/TPGS"	Celecoxib	Na/HPC/TPGS ^b	Celecoxib Na	PG/HPC/TPGS°	Celecoxib	Na/HPC/F127	Celecoxib	Na/HPC/F127/L44°	Celecoxib	Na/hFU/F1Z/	PEG400°

FIG. 5B

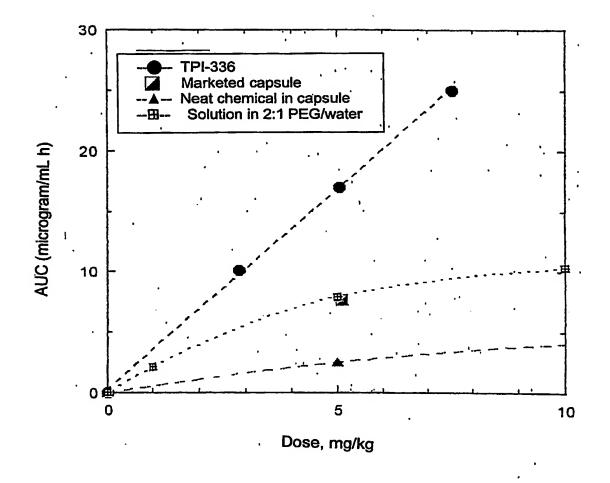


FIG. 5C

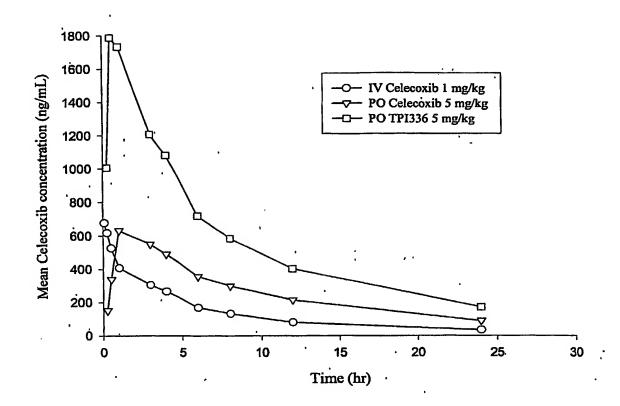
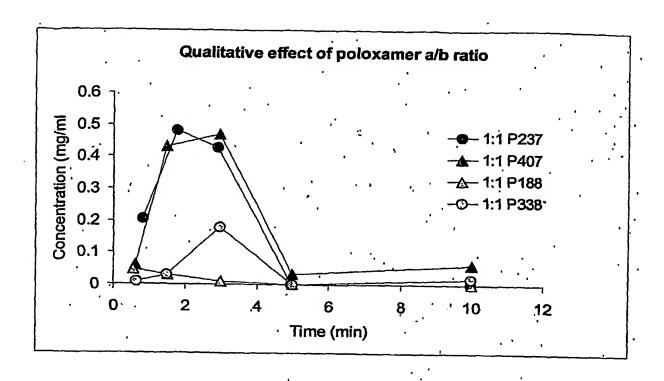


FIG. 6

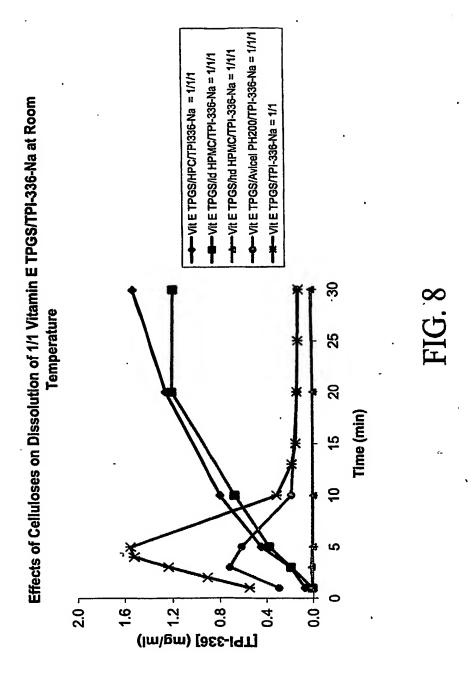


Poloxamer	Physical form	a	þ	Average molecular weight
·124	Liquid	12	20	2090-2360
188	\$1981B	80	27	7680-9510
		64	37	6840-8830
338	Solid	141	44	12 700-17 400
		101	56	9840-14 600

Percent a	Percent b	Ratio a/b
0.38	0.63	0.60
0.75	0.25	2.96
		1.73
0.76	0.24	3.20
M. M. T.	· · · · · · · · · · · · · · · · · · ·	1.80

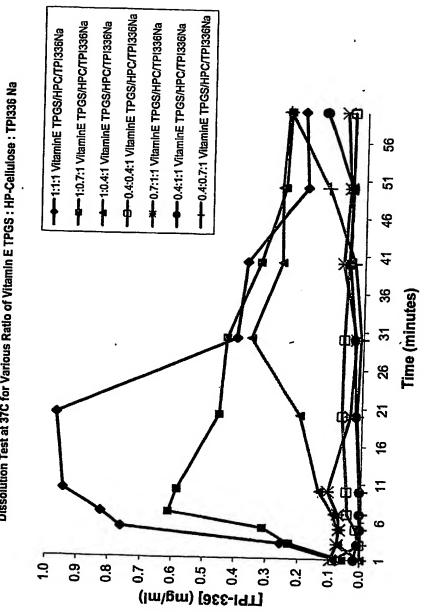
 $HO(C_2H_4O)_a(C_3H_6O)_b(C_2H_4O)_aH_1$

FIG. 7

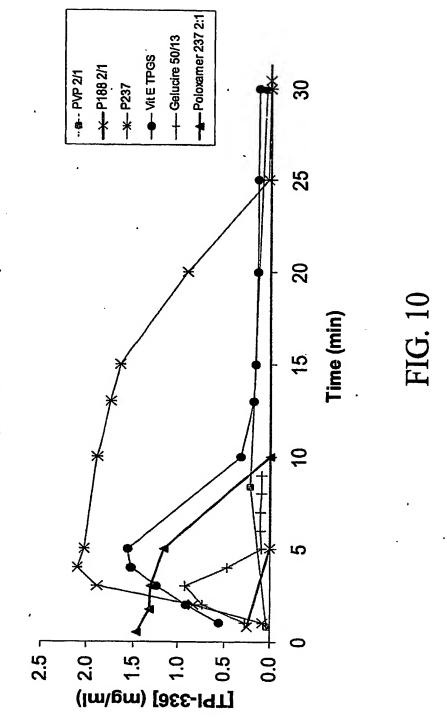


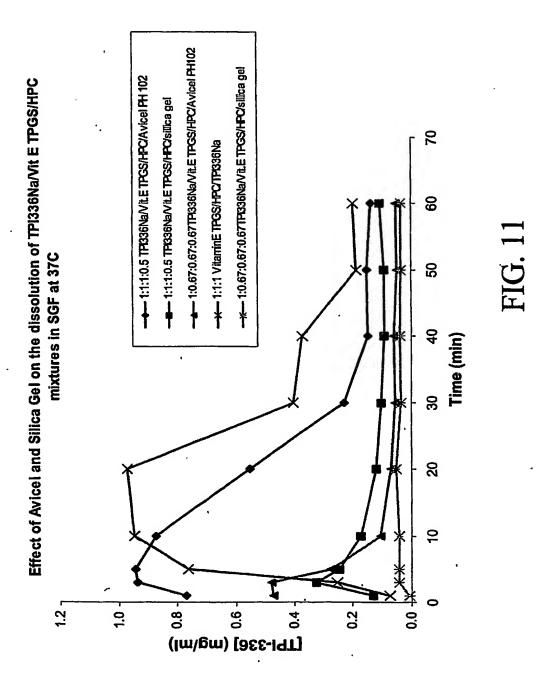
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Dissolution Test at 37C for Various Ratio of Vitamin E TPGS : HP-Cellulose : TPI336 Na



Dissolution profile of TPI-336-Na in SGF from solid mixtures with excipients at room temperature



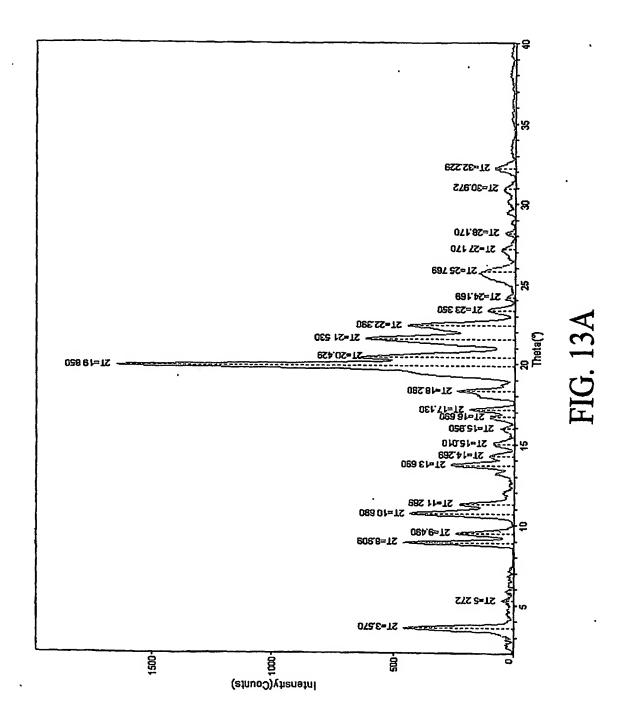


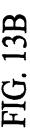
SUBSTITUTE SHEET (RULE 26)

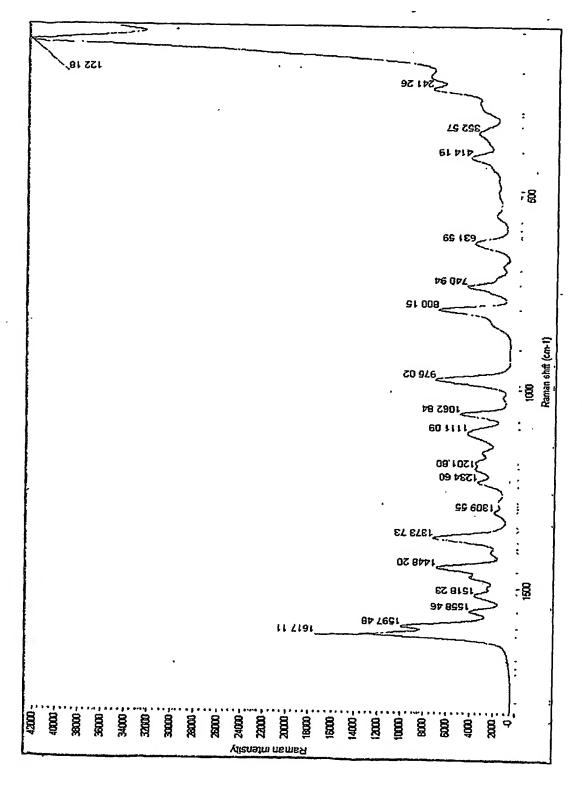
2

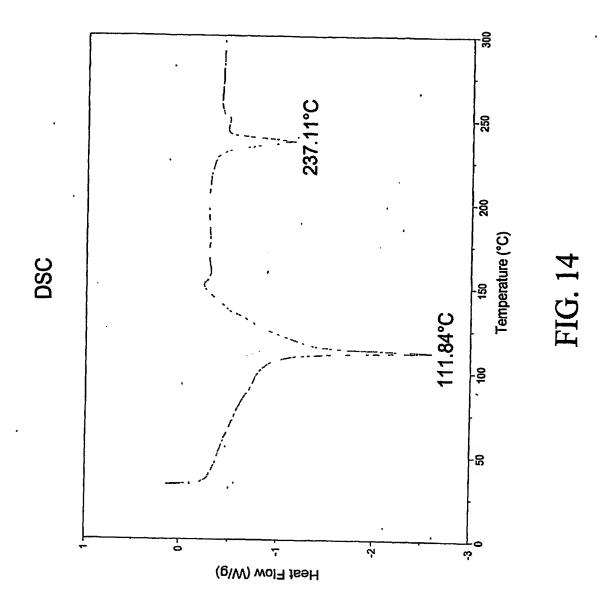
— 1:1:1 VitaminE TPGS/HPC/TPI336Na -▲-1:1:1 VitaminE TPGS/TPI336Na -E-1:1 Poloxamer237/TPI336Na -4- 1:1 Poloxamer237/HPC 8 Dissolution of TPI336Na at 37C in 5X diluted SGF 20 4 Time (min) 39 2 0.00 2.00 ر 1.75 Concentration (mg/ml) 1.50 0.50 0.25

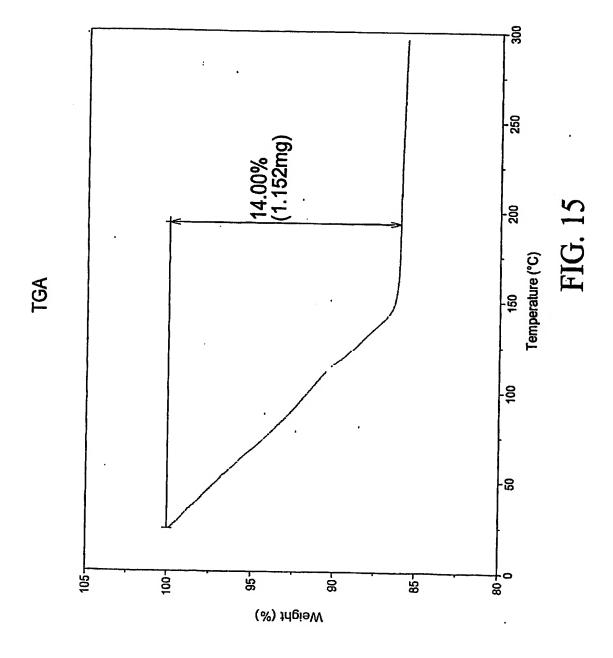
SUBSTITUTE SHEET (RULE 26)



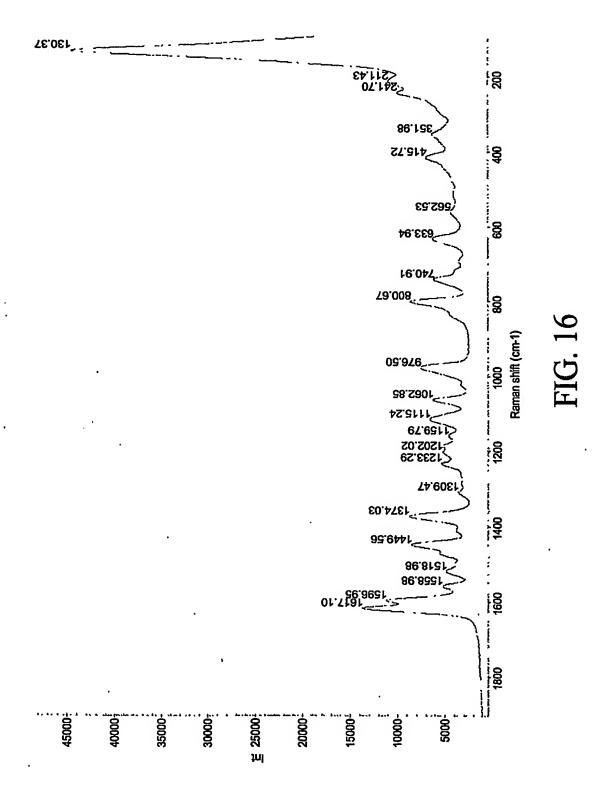




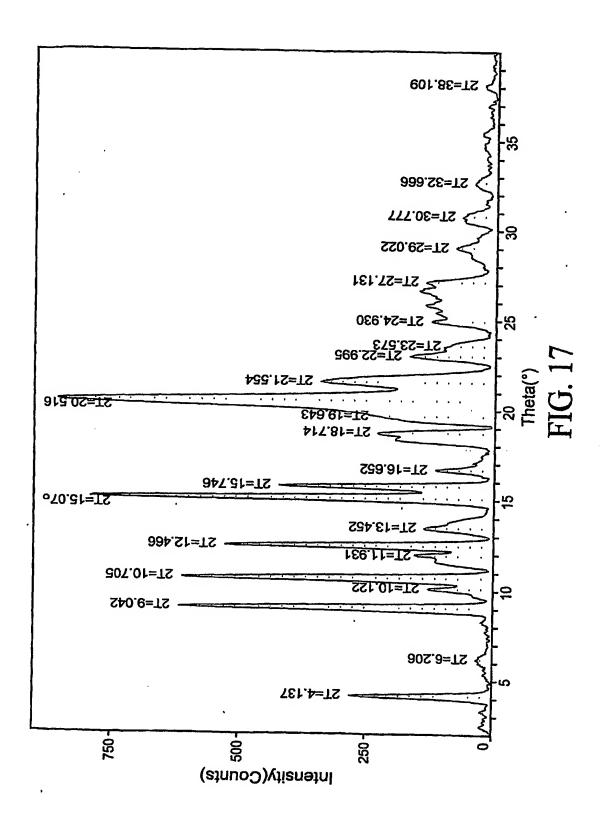




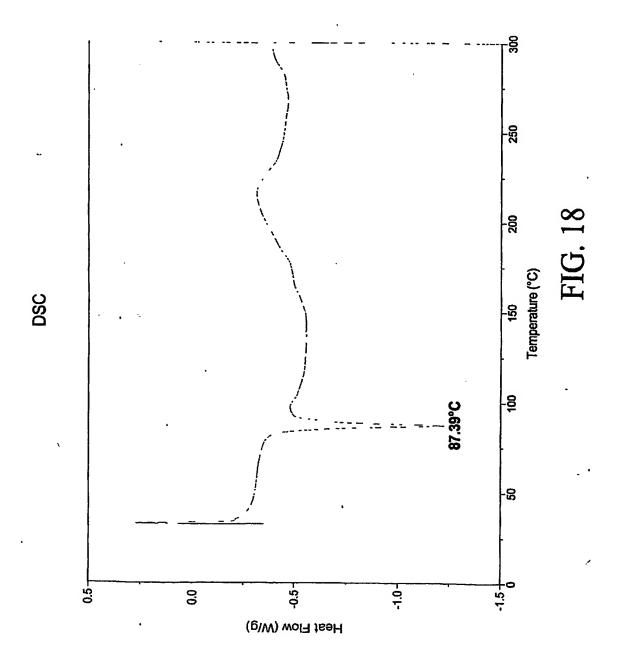
SUBSTITUTE SHEET (RULE 26)



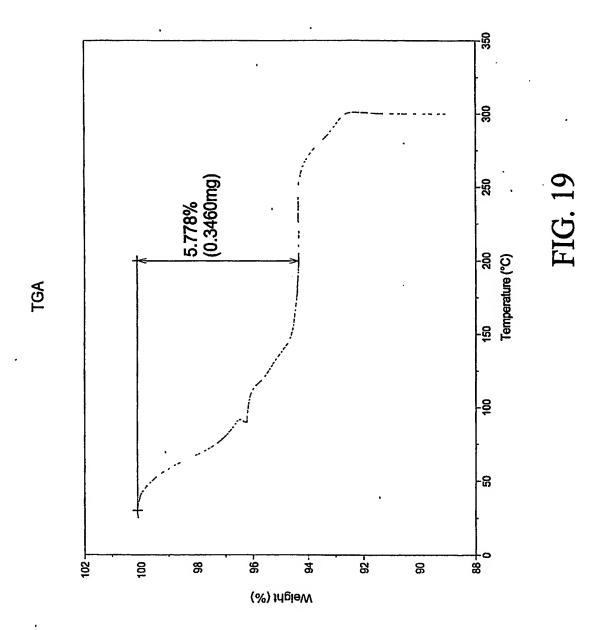
SUBSTITUTE SHEET (RULE 26)



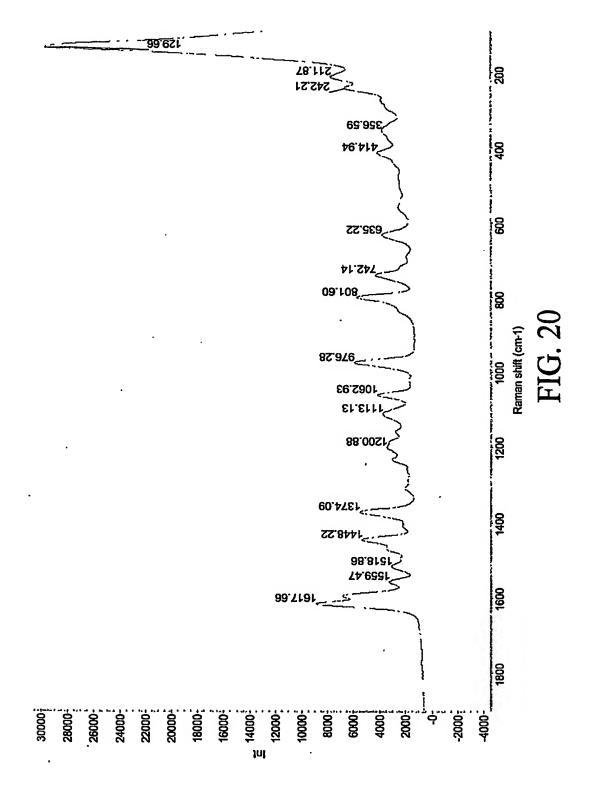
SUBSTITUTE SHEET (RULE 26)



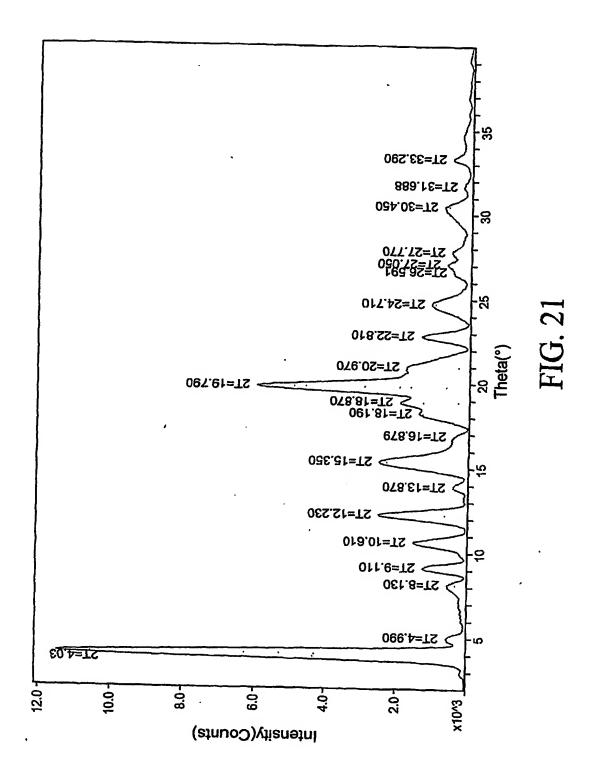
SUBSTITUTE SHEET (RULE 26)



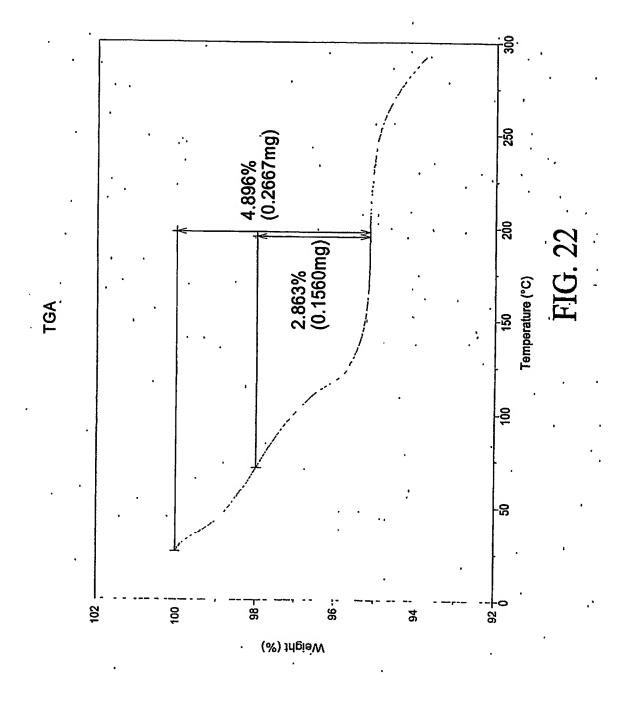
SUBSTITUTE SHEET (RULE 26)



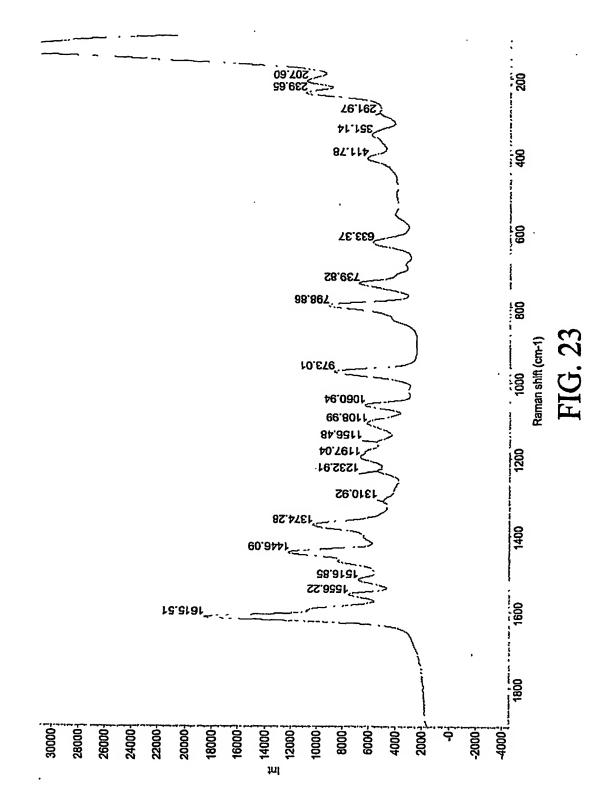
SUBSTITUTE SHEET (RULE 26)



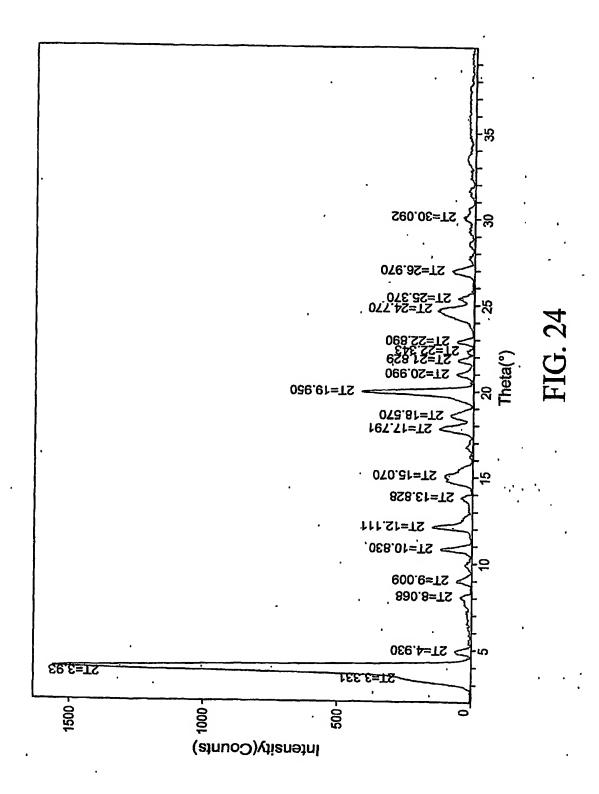
SUBSTITUTE SHEET (RULE 26)



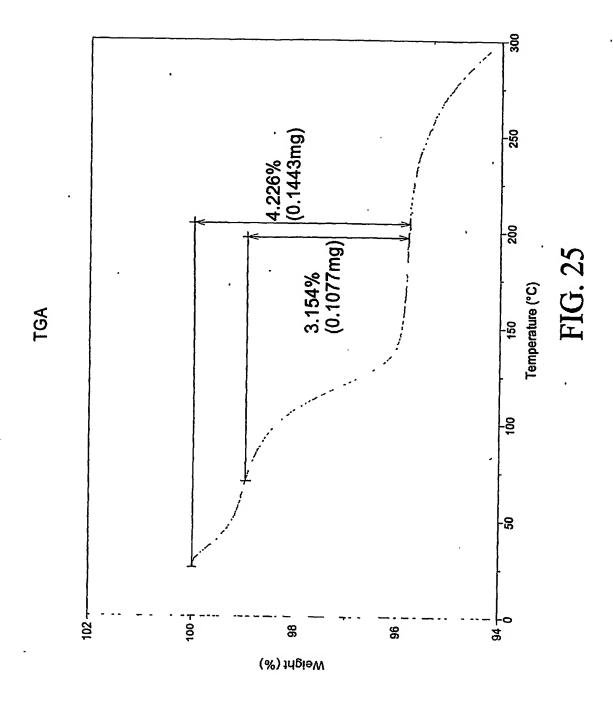
SUBSTITUTE SHEET (RULE 26)



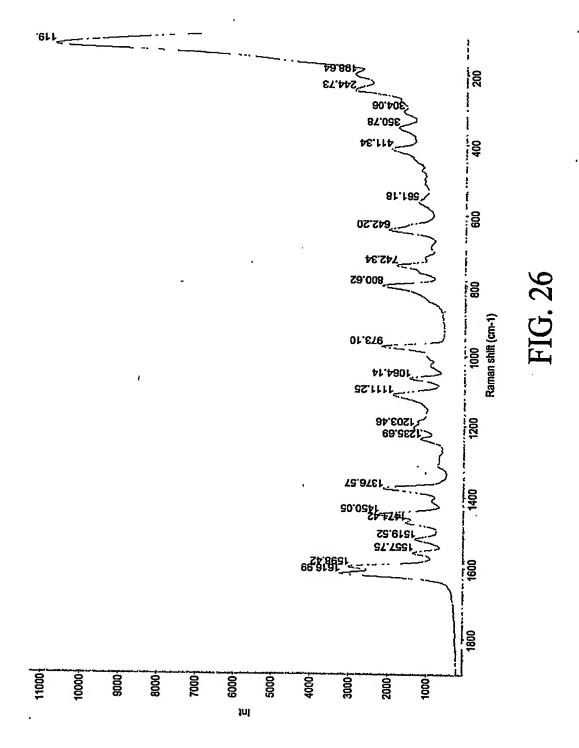
SUBSTITUTE SHEET (RULE 26)



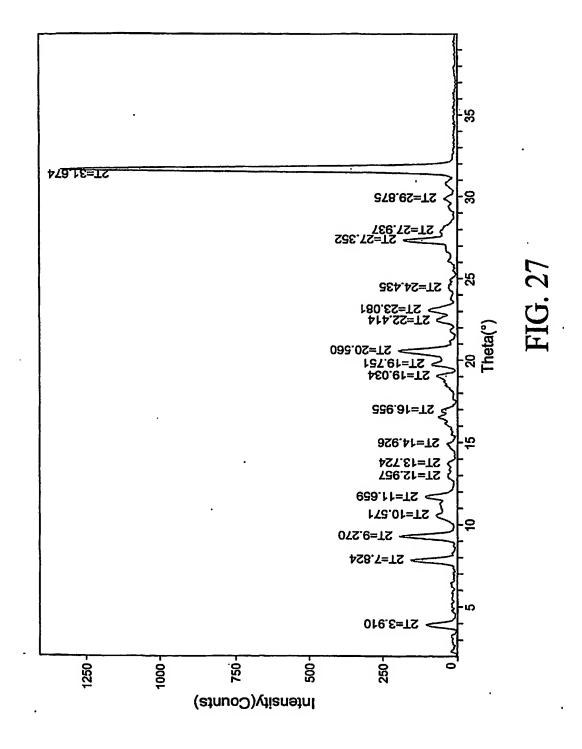
SUBSTITUTE SHEET (RULE 26)



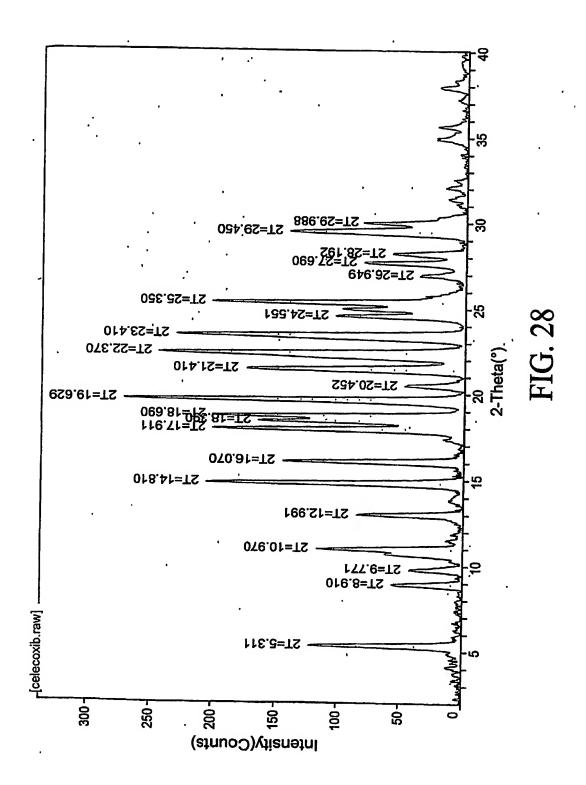
SUBSTITUTE SHEET (RULE 26)



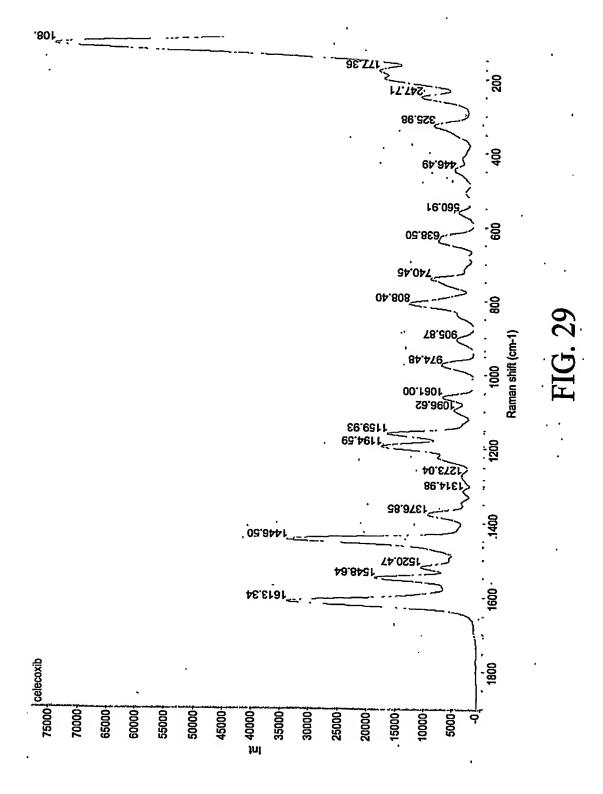
SUBSTITUTE SHEET (RULE 26)



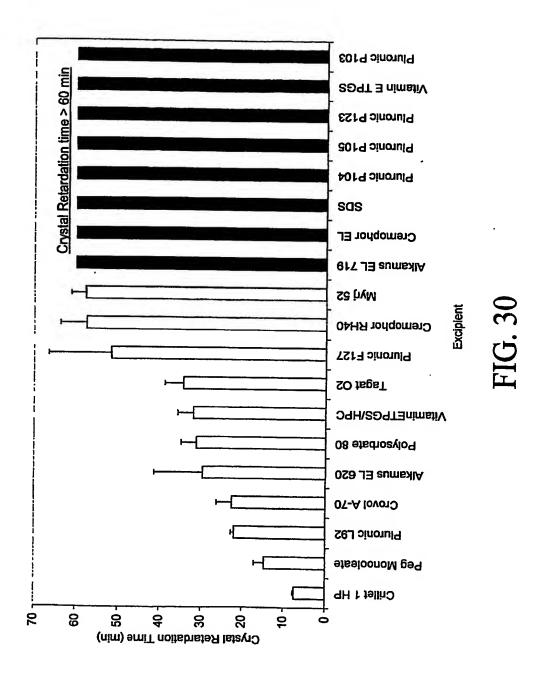
SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)



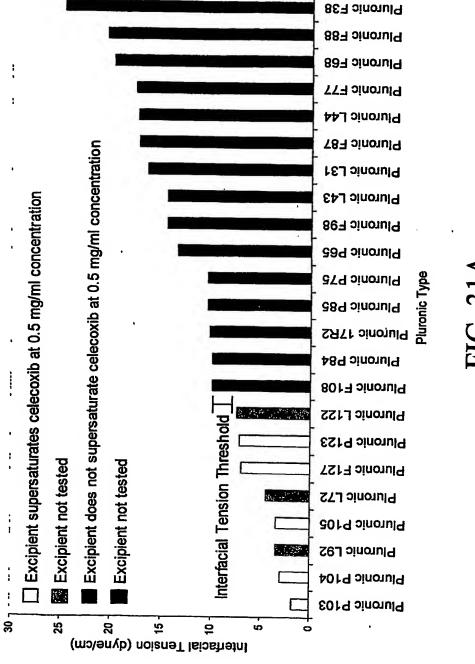
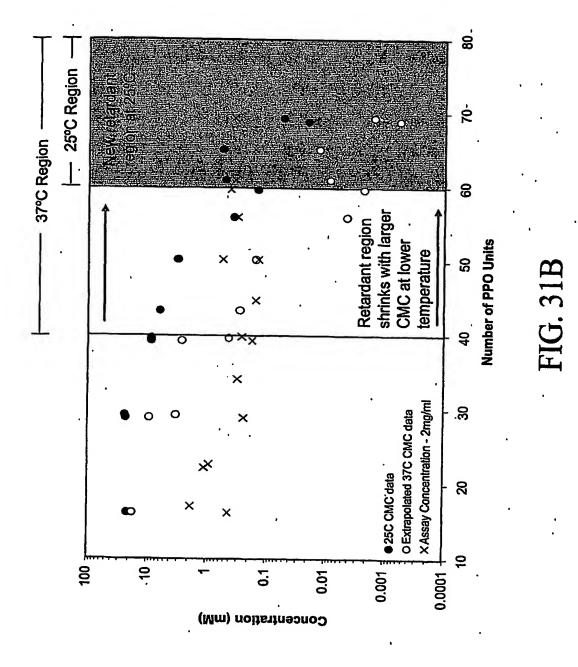


FIG. 31A



SUBSTITUTE SHEET (RULE 26)

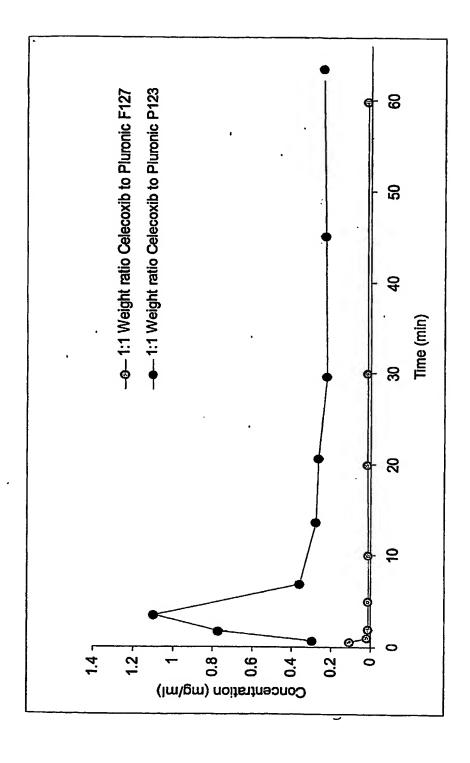


FIG. 32

SUBSTITUTE SHEET (RULE 26)

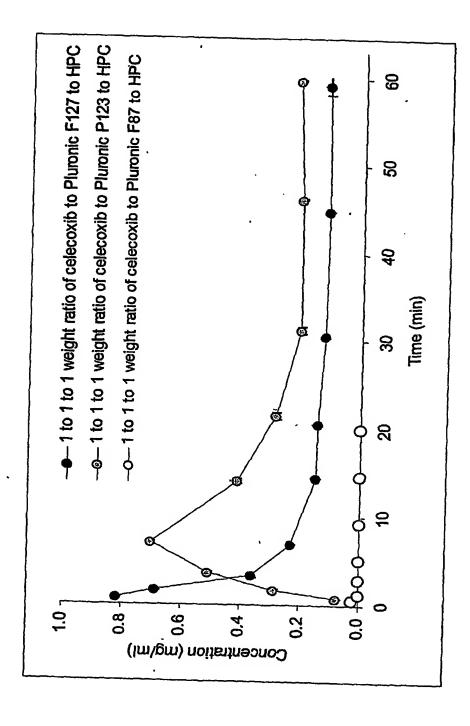
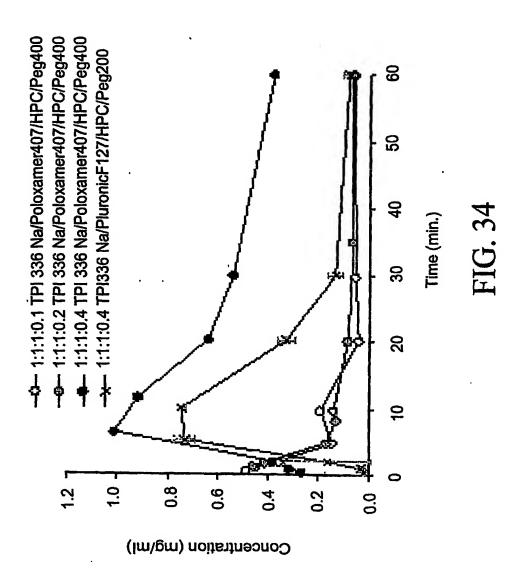
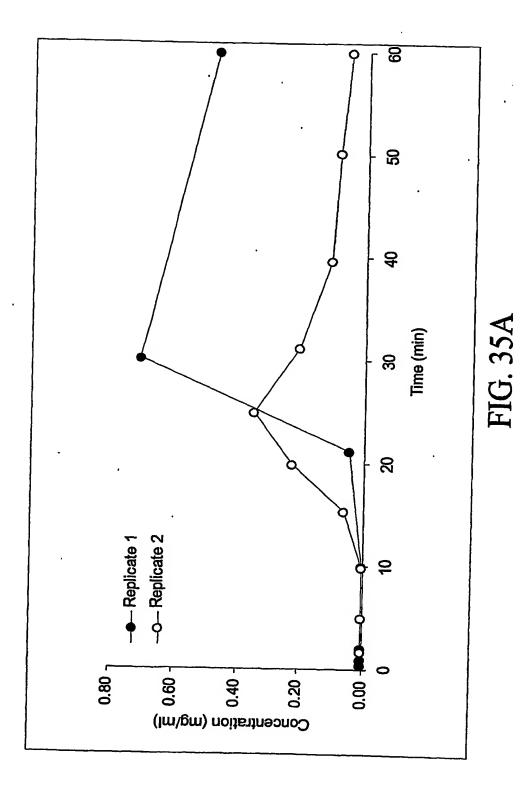


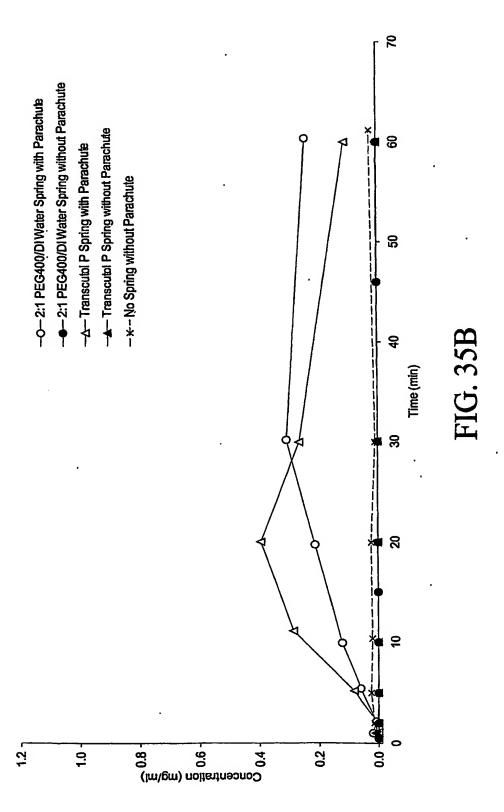
FIG. 3.



SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)

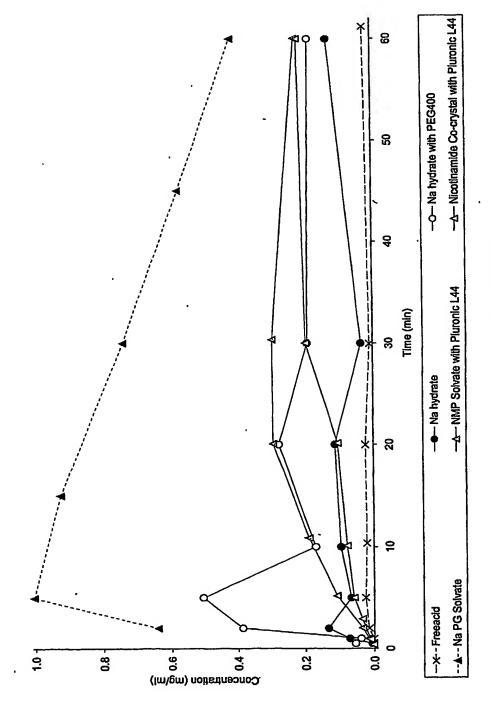


FIG. 35C

SUBSTITUTE SHEET (RULE 26)

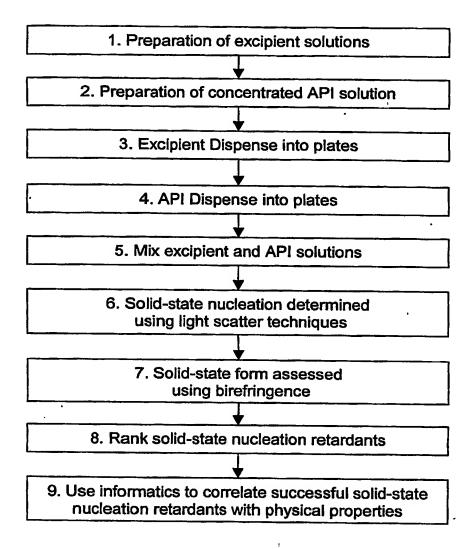


FIG. 36

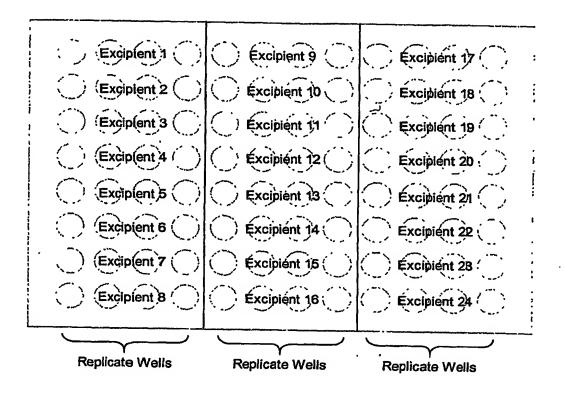


FIG. 37

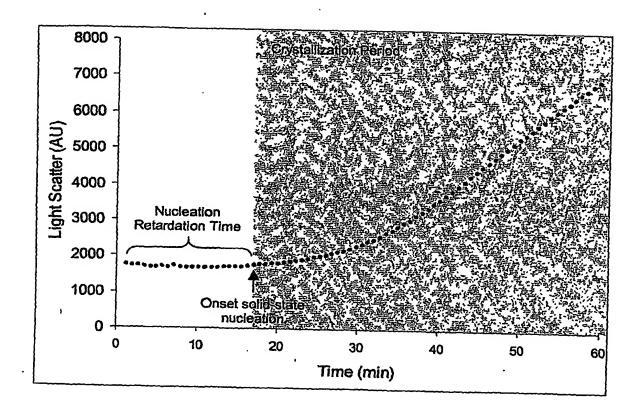
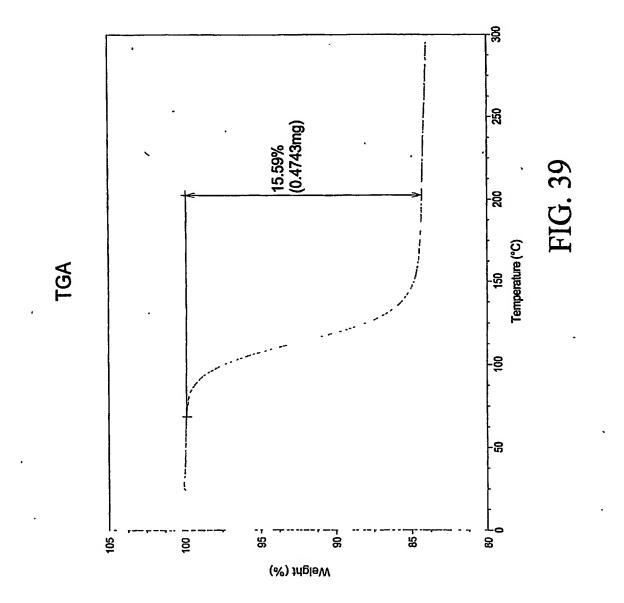
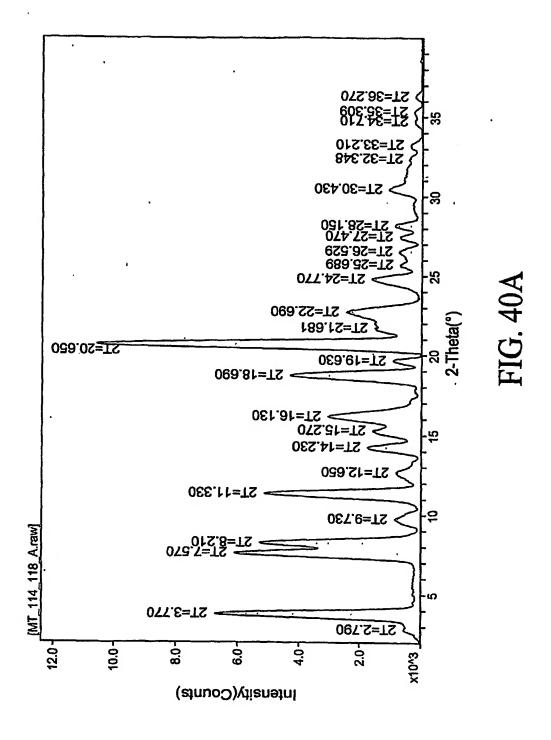


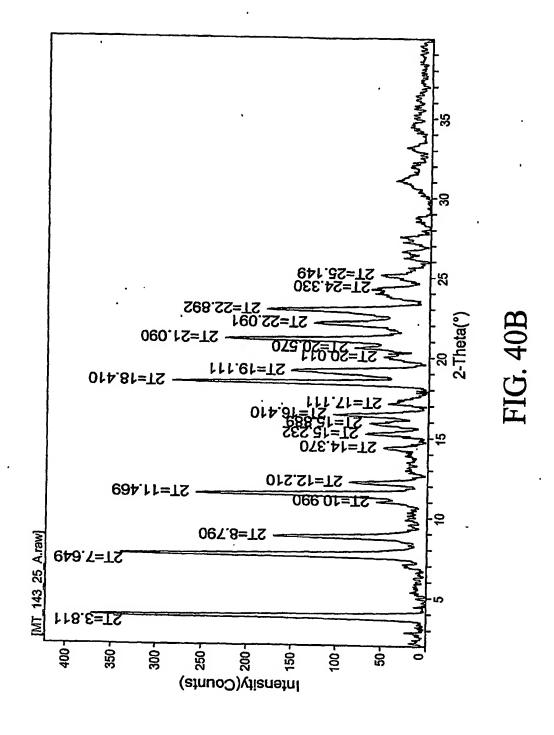
FIG. 38



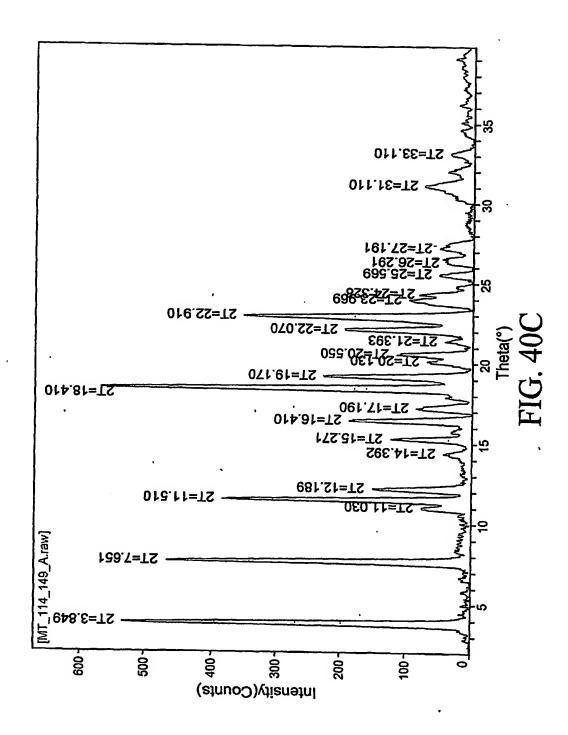
SUBSTITUTE SHEET (RULE 26)



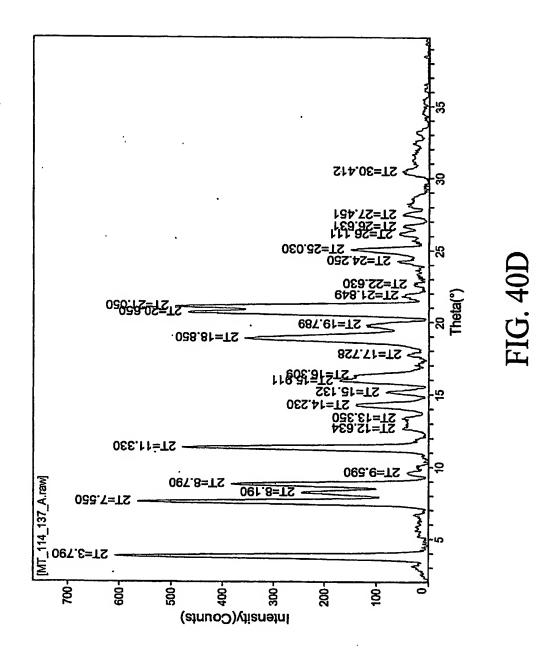
SUBSTITUTE SHEET (RULE 26)



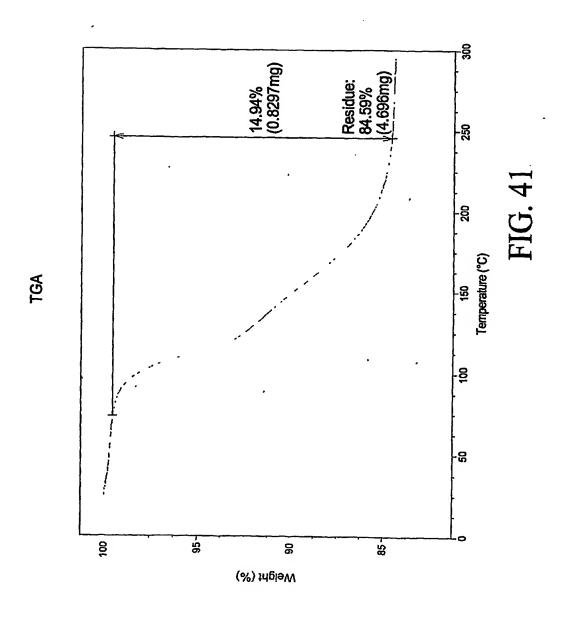
SUBSTITUTE SHEET (RULE 26)



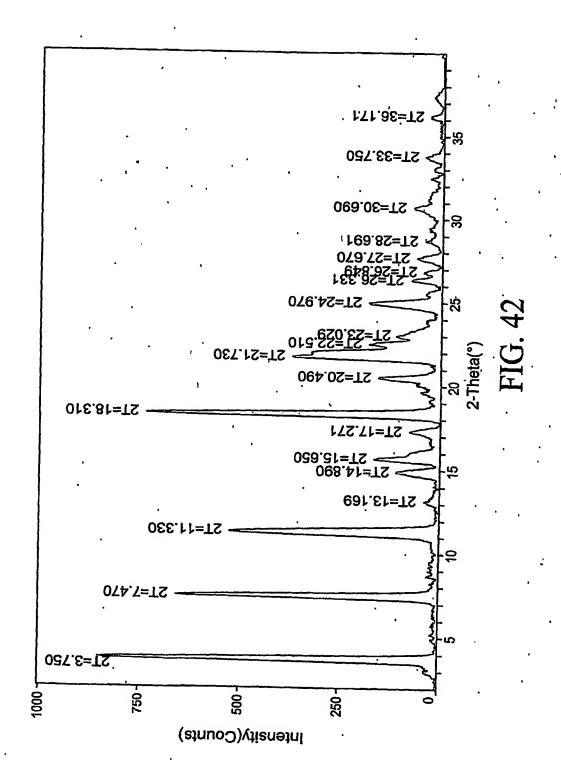
SUBSTITUTE SHEET (RULE 26)



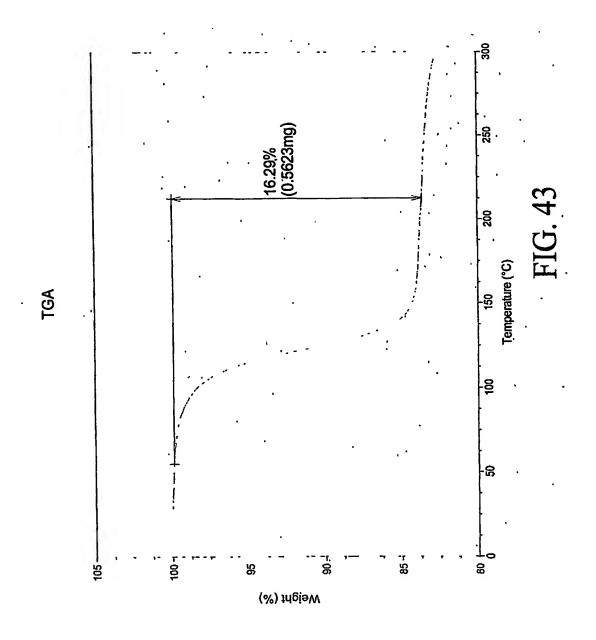
SUBSTITUTE SHEET (RULE 26)



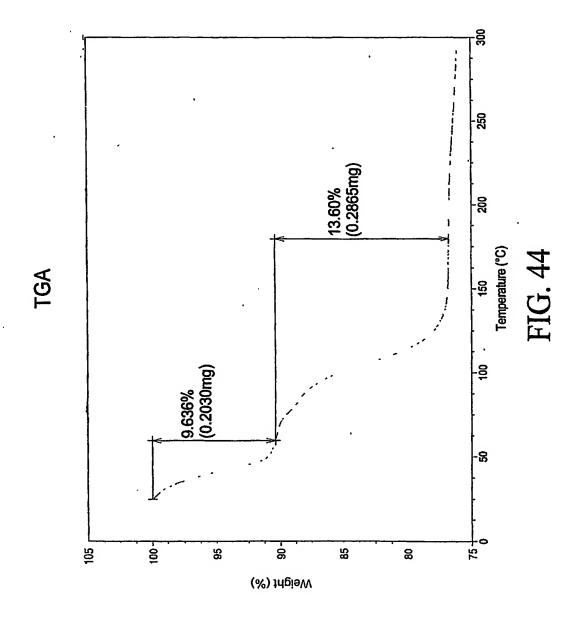
SUBSTITUTE SHEET (RULE 26)



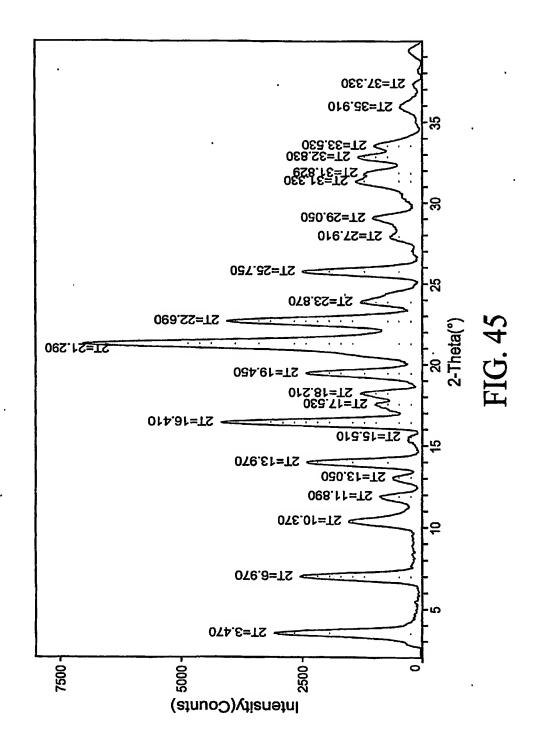
SUBSTITUTE SHEET (RULE 26)



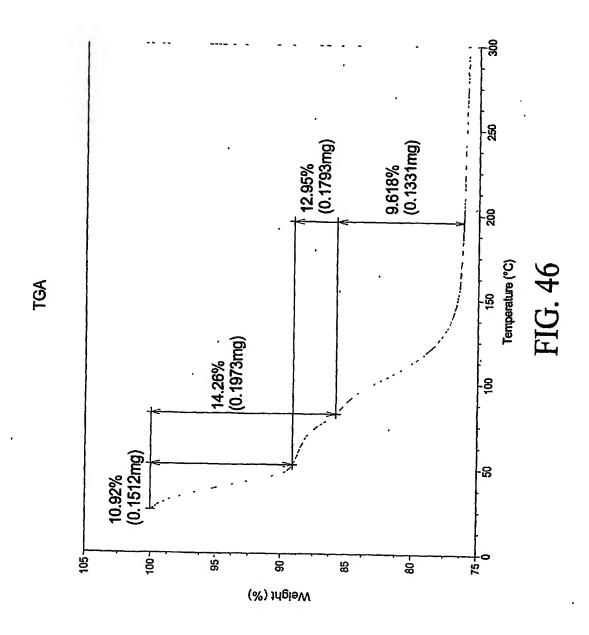
SUBSTITUTE SHEET (RULE 26)



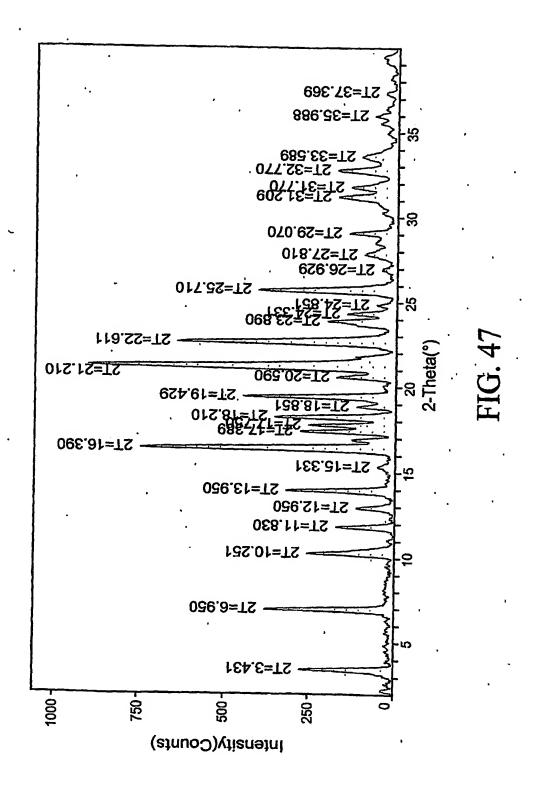
SUBSTITUTE SHEET (RULE 26)



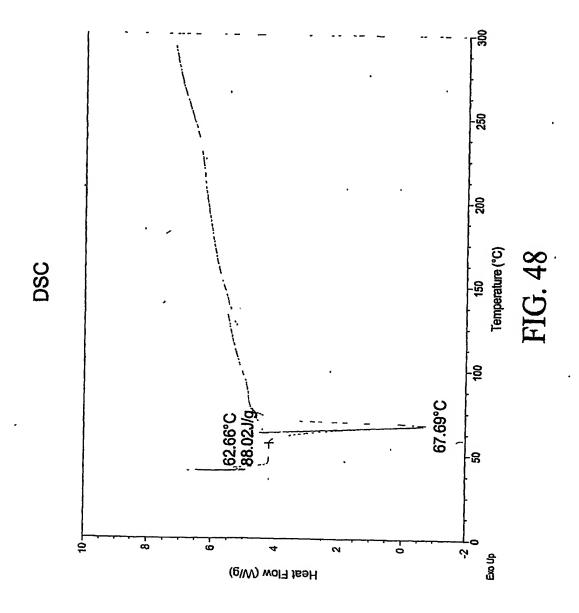
SUBSTITUTE SHEET (RULE 26)



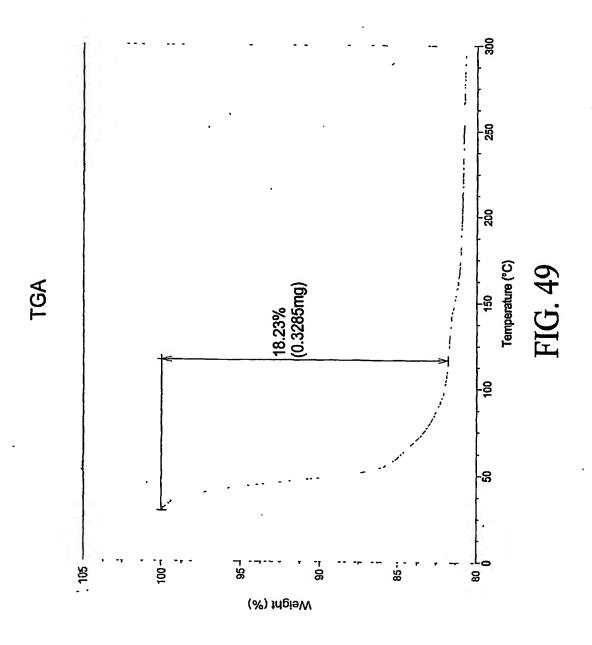
SUBSTITUTE SHEET (RULE 26)

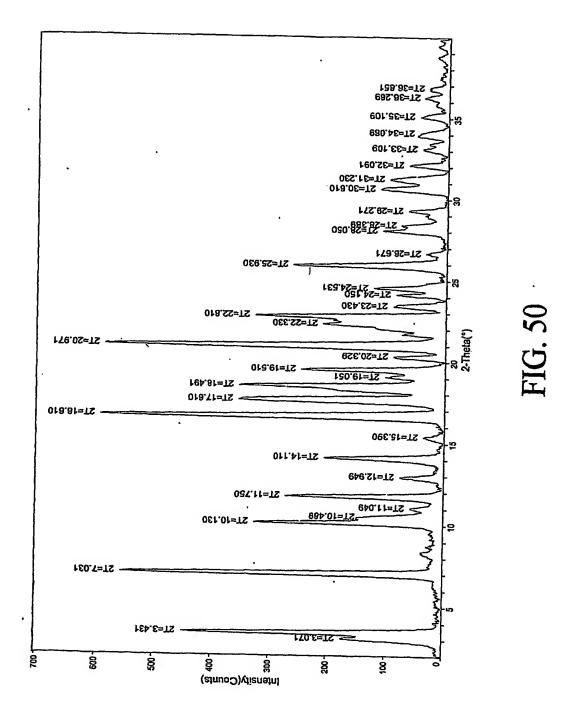


SUBSTITUTE SHEET (RULE 26)

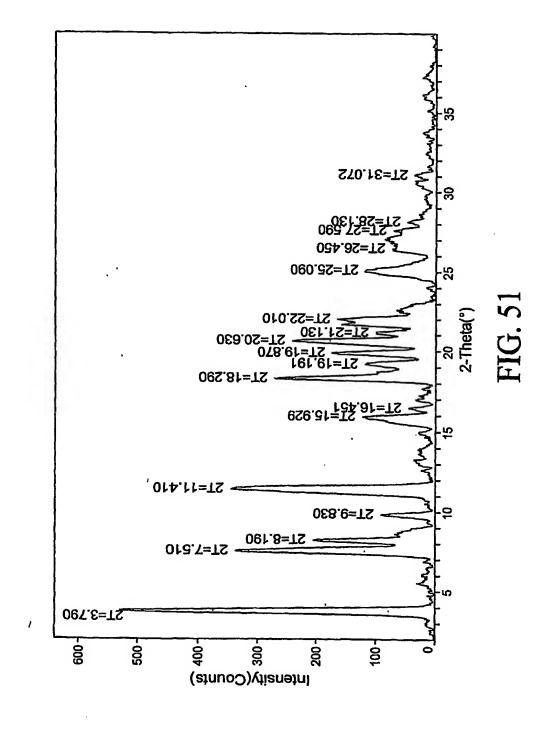


SUBSTITUTE SHEET (RULE 26)

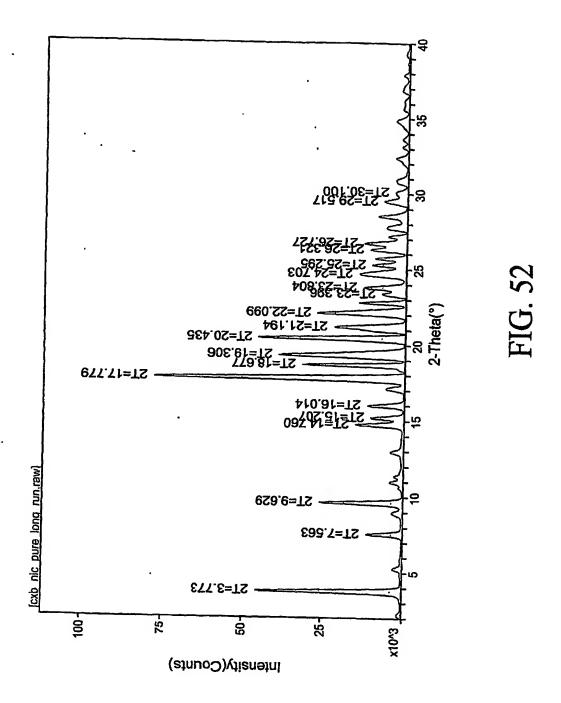




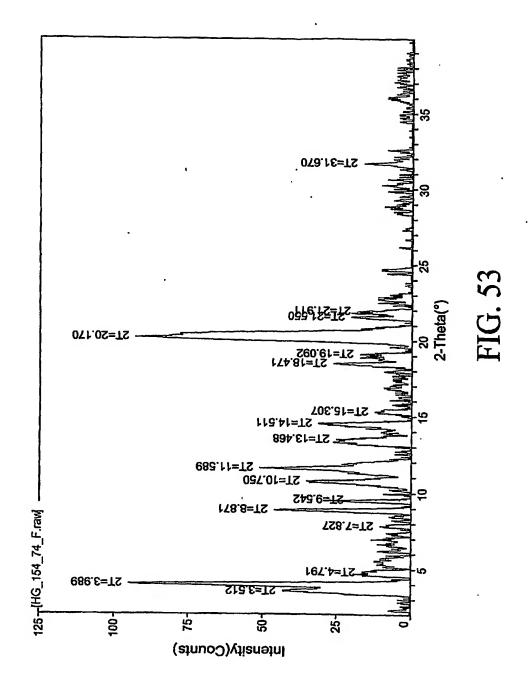
SUBSTITUTE SHEET (RULE 26)

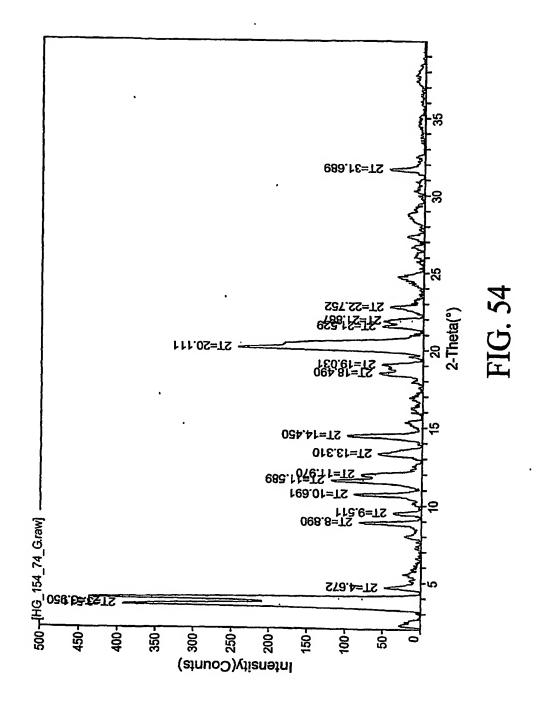


SUBSTITUTE SHEET (RULE 26)

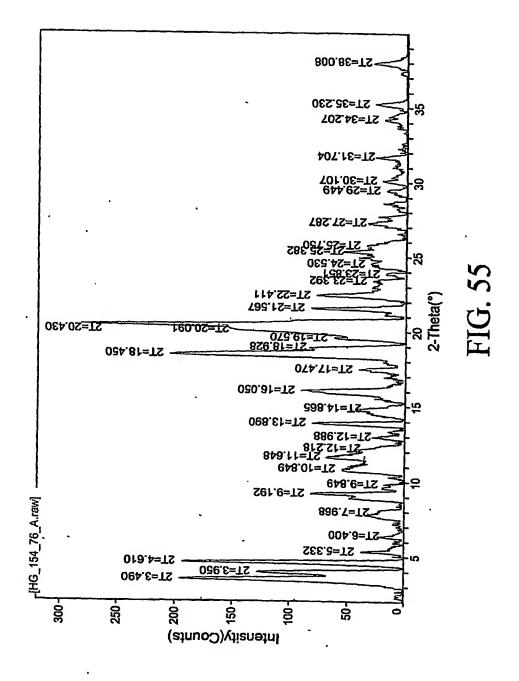


SUBSTITUTE SHEET (RULE 26)

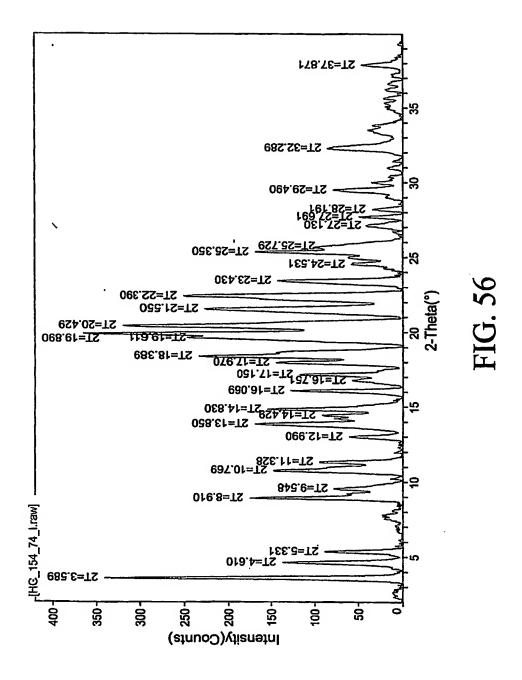




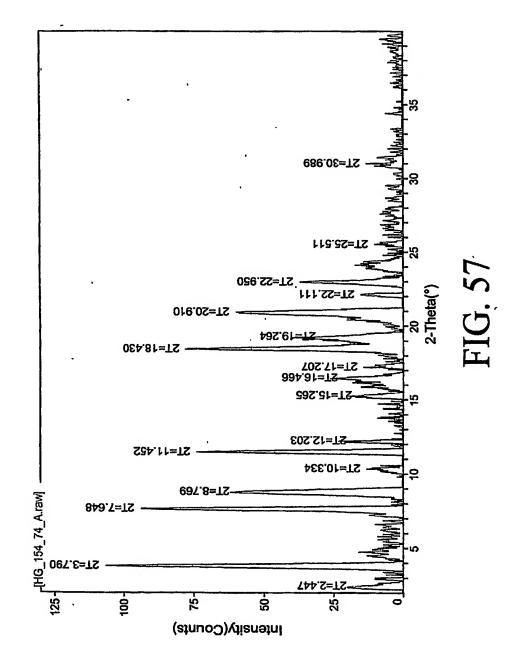
SUBSTITUTE SHEET (RULE 26)



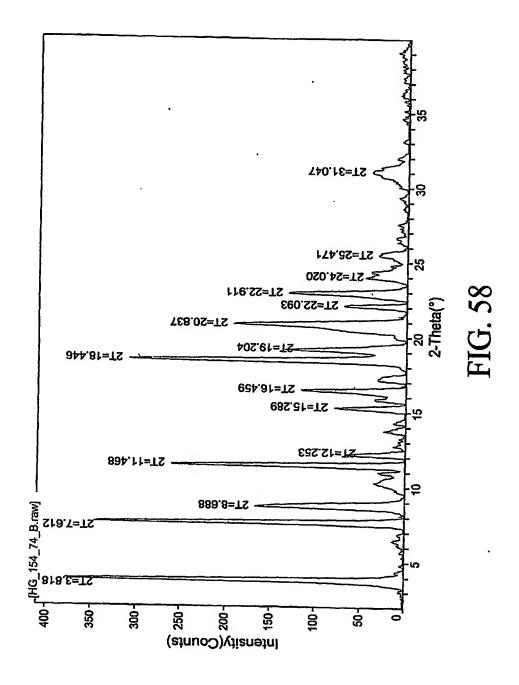
SUBSTITUTE SHEET (RULE 26)

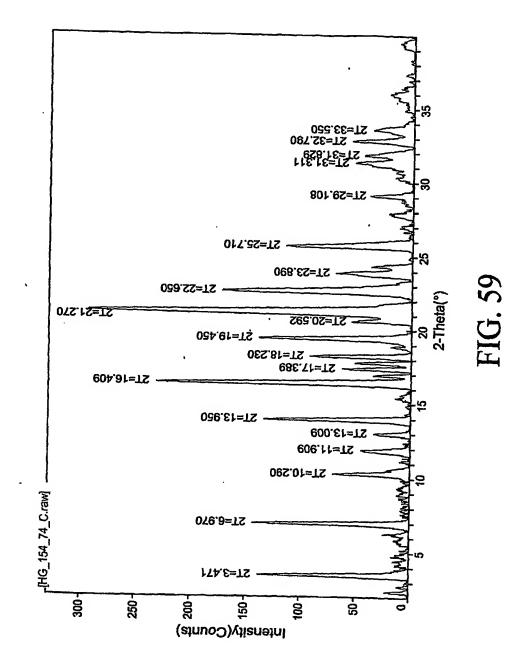


SUBSTITUTE SHEET (RULE 26)

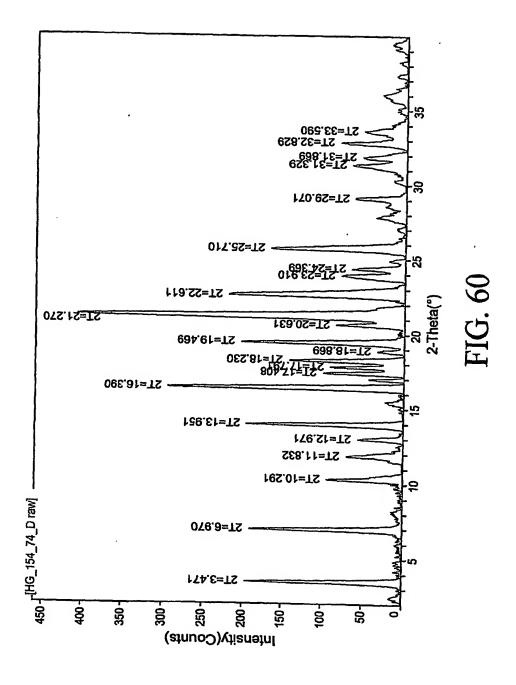


SUBSTITUTE SHEET (RULE 26)





SUBSTITUTE SHEET (RULE 26)



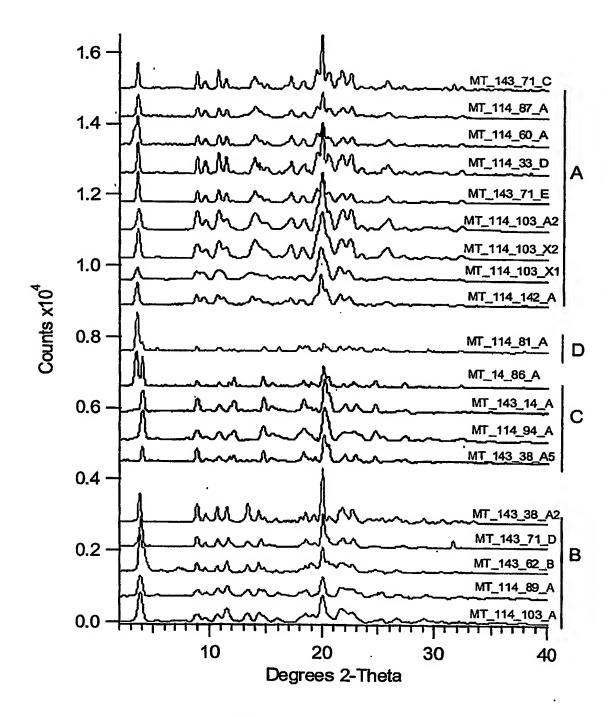
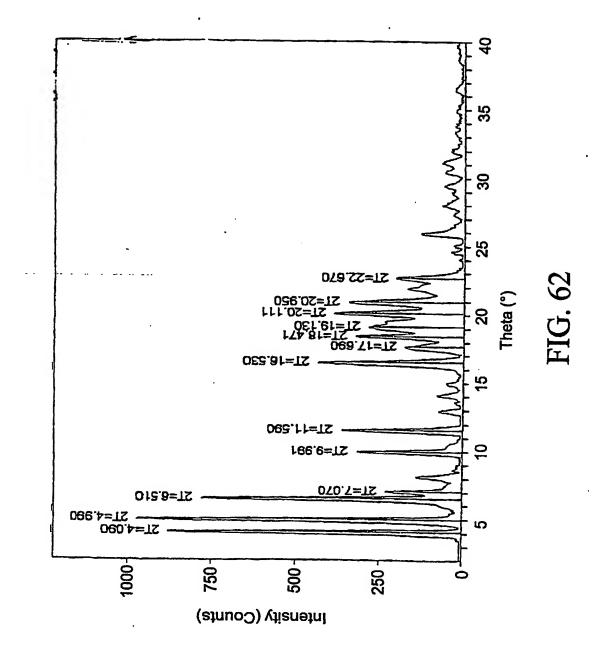
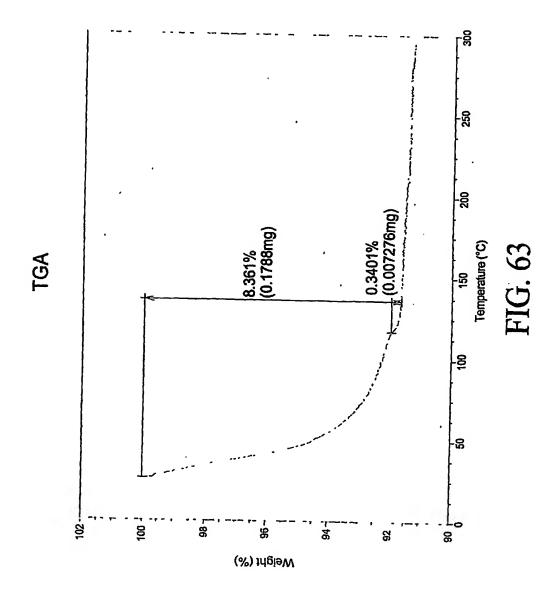
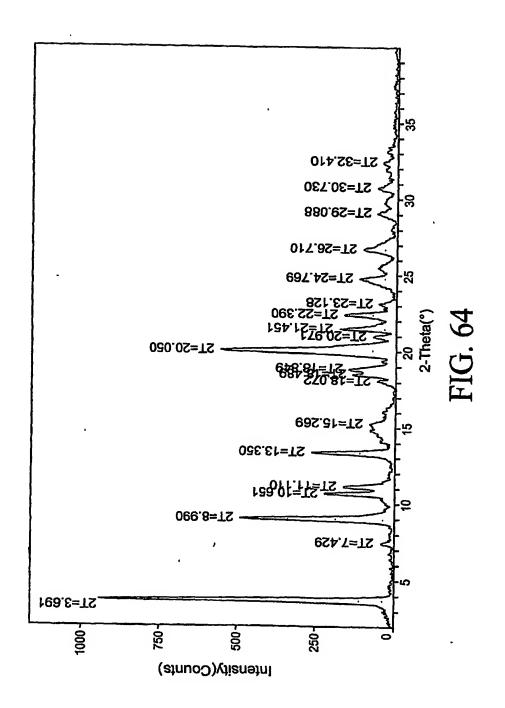


FIG. 61

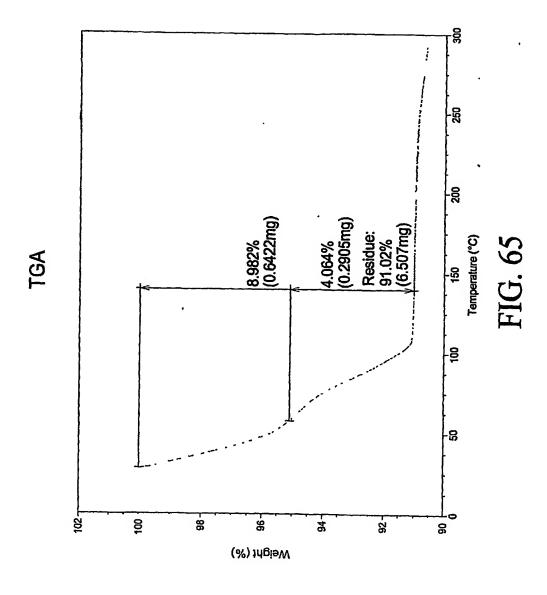




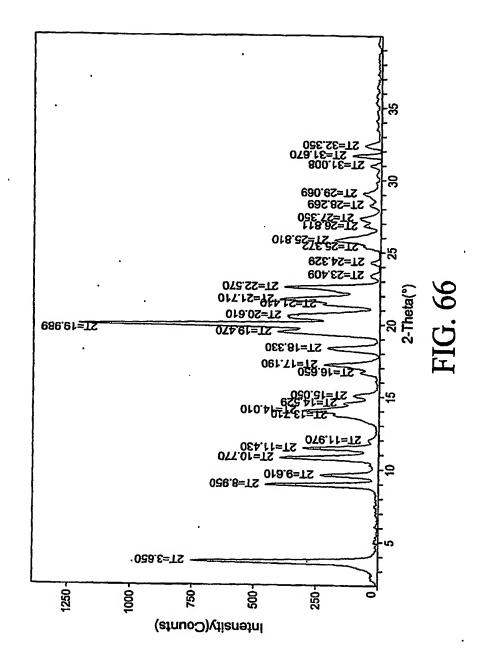
SUBSTITUTE SHEET (RULE 26)



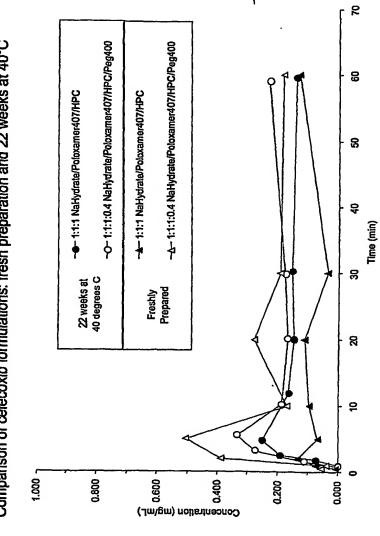
SUBSTITUTE SHEET (RULE 26)

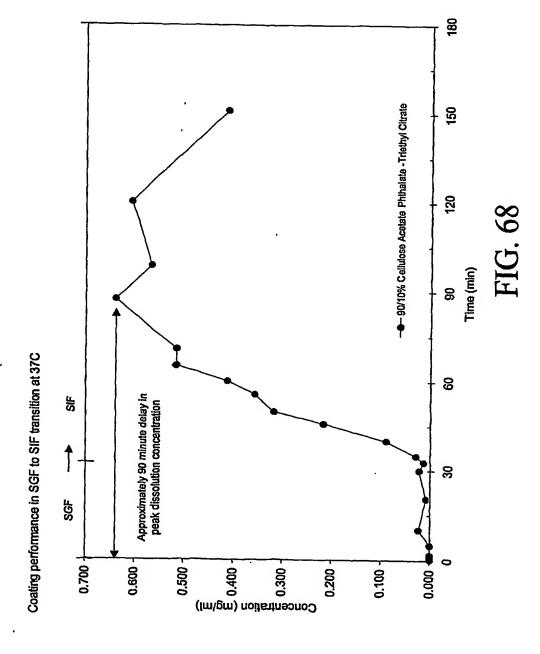


SUBSTITUTE SHEET (RULE 26)

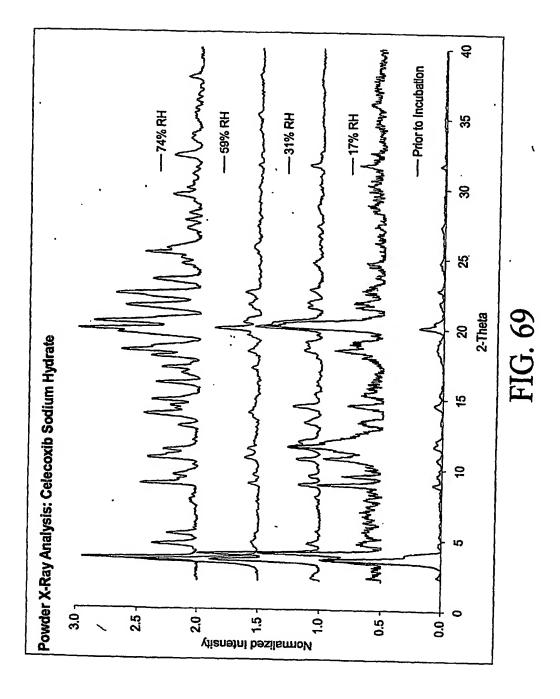


Comparison of celecoxib formulations: fresh preparation and 22 weeks at 40°C

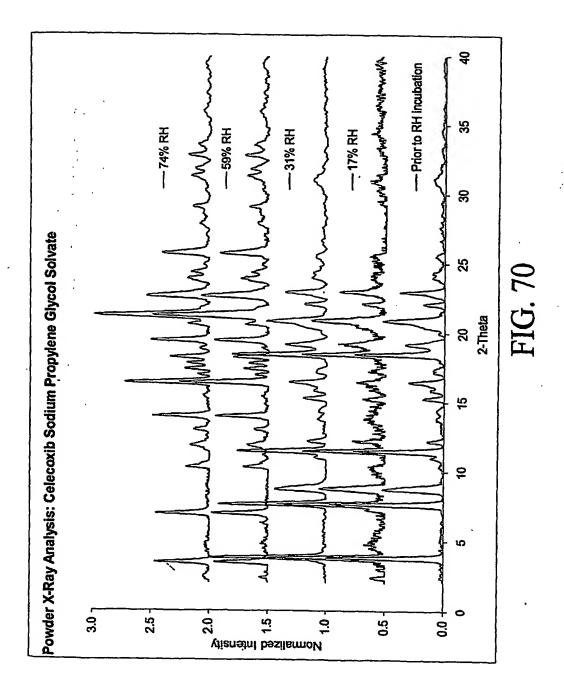




SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)

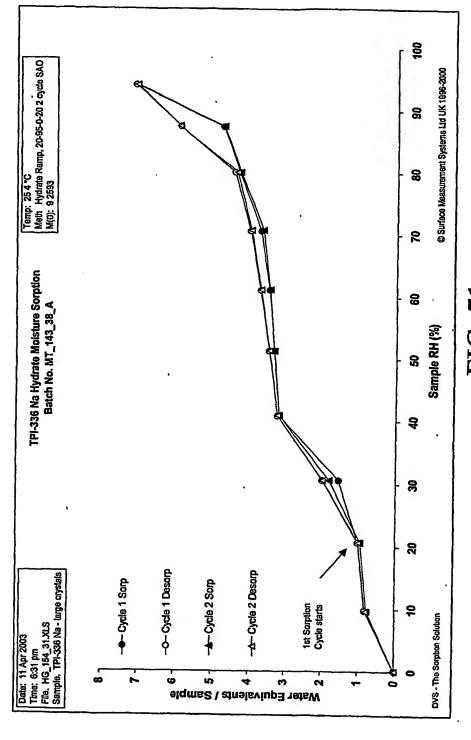


FIG. 7

SUBSTITUTE SHEET (RULE 26)

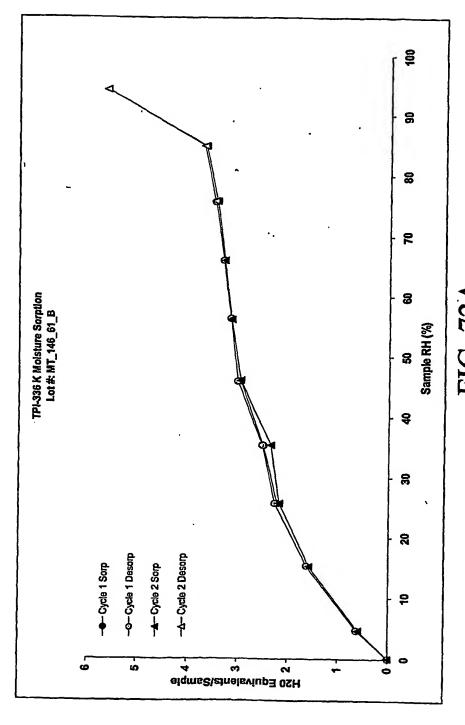


FIG. /2A

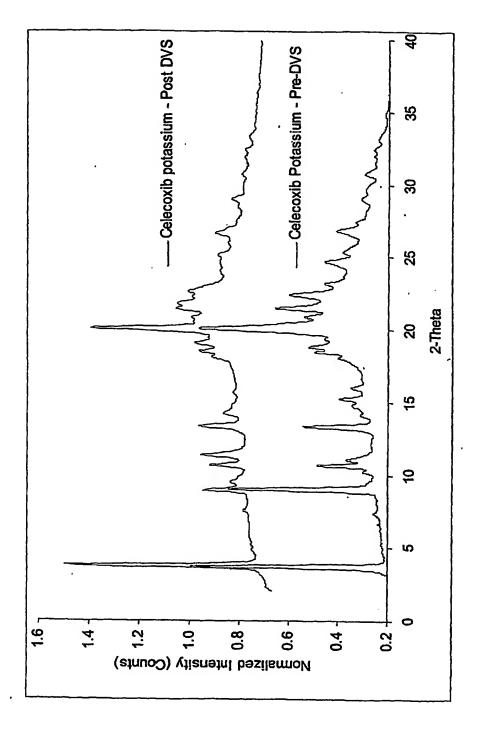


FIG. 72B

SUBSTITUTE SHEET (RULE 26)

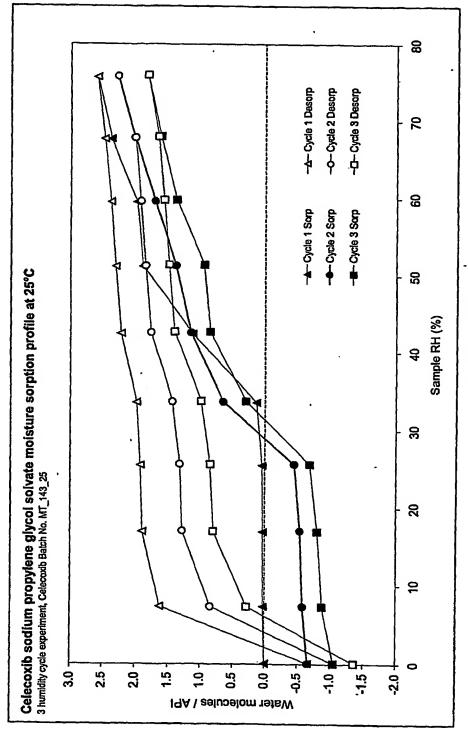
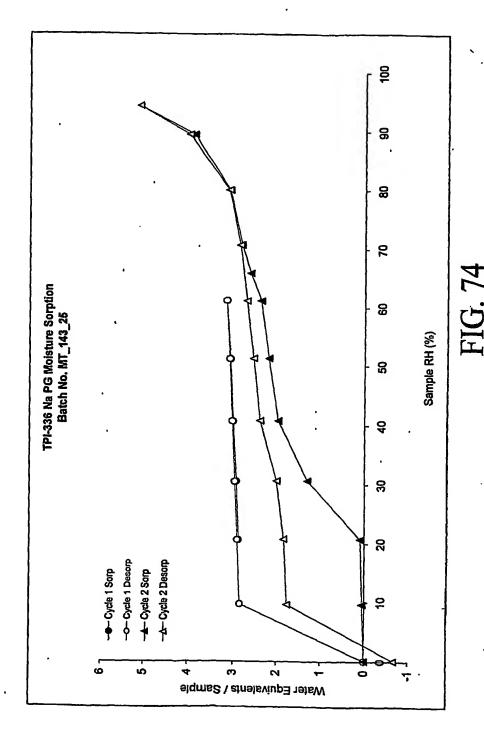


FIG. 73



SUBSTITUTE SHEET (RULE 26)

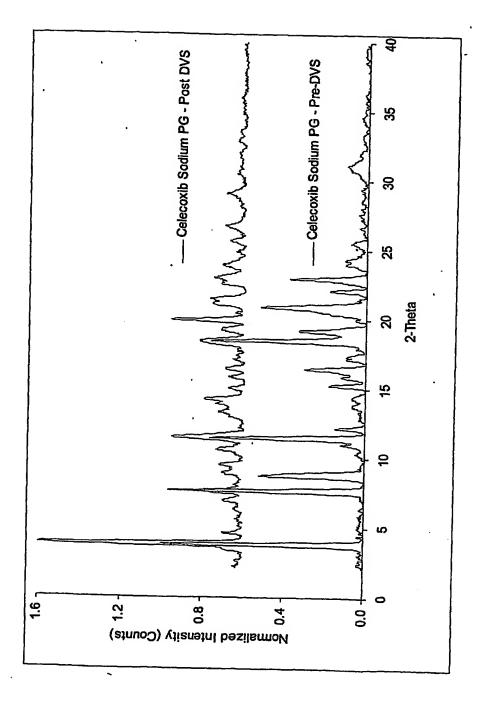
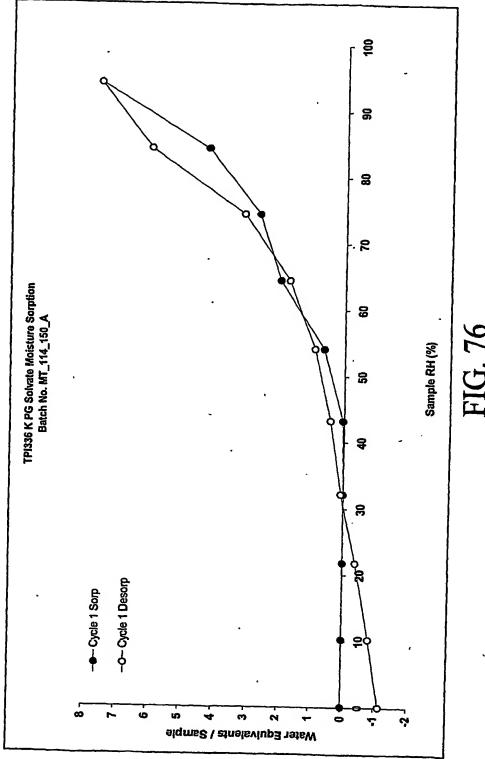
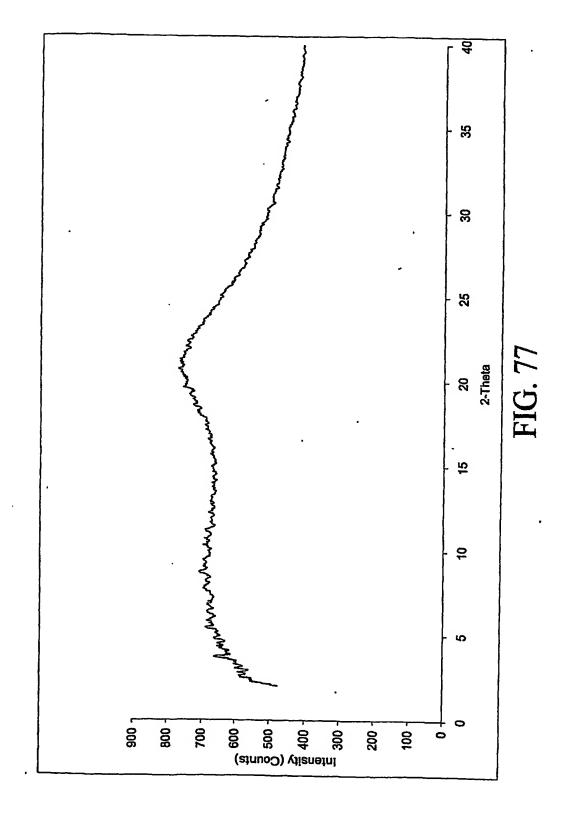


FIG. 75





SUBSTITUTE SHEET (RULE 26)

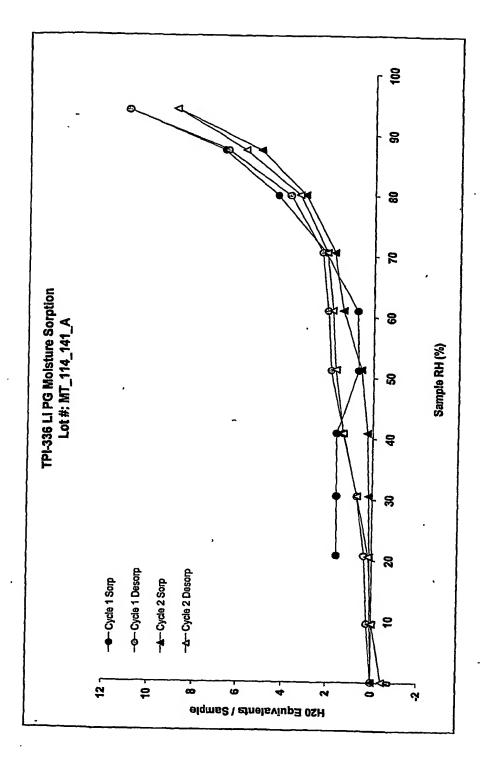


FIG. 78

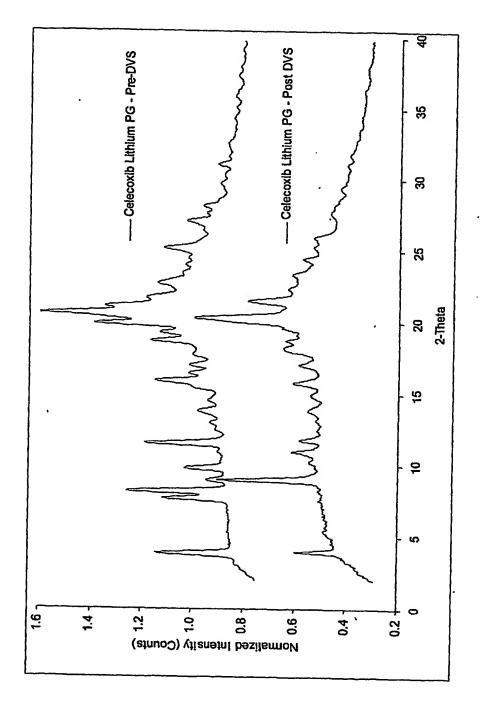
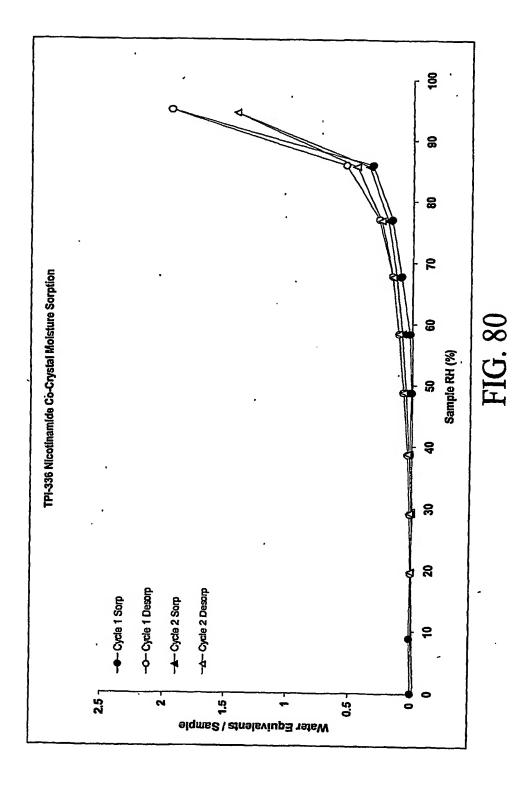
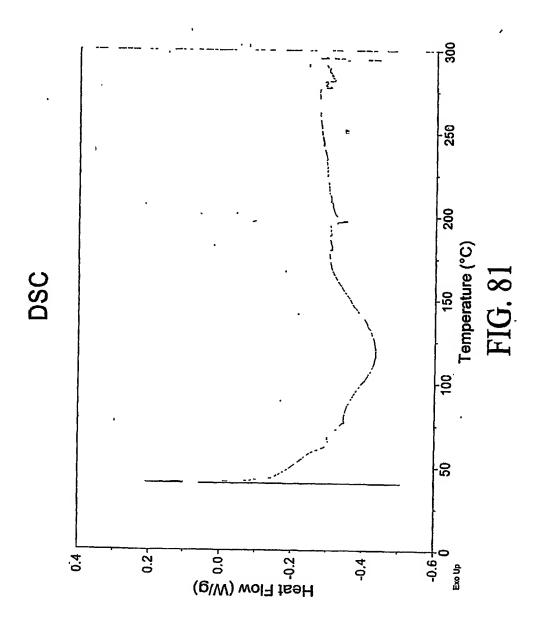


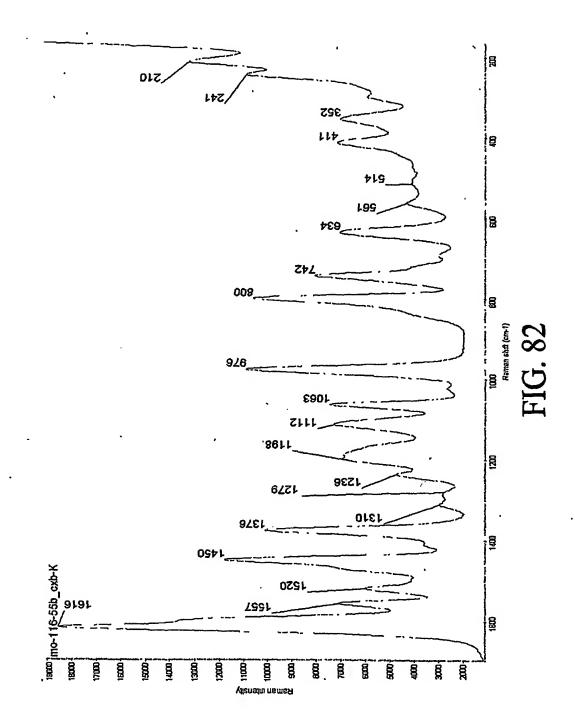
FIG. 79



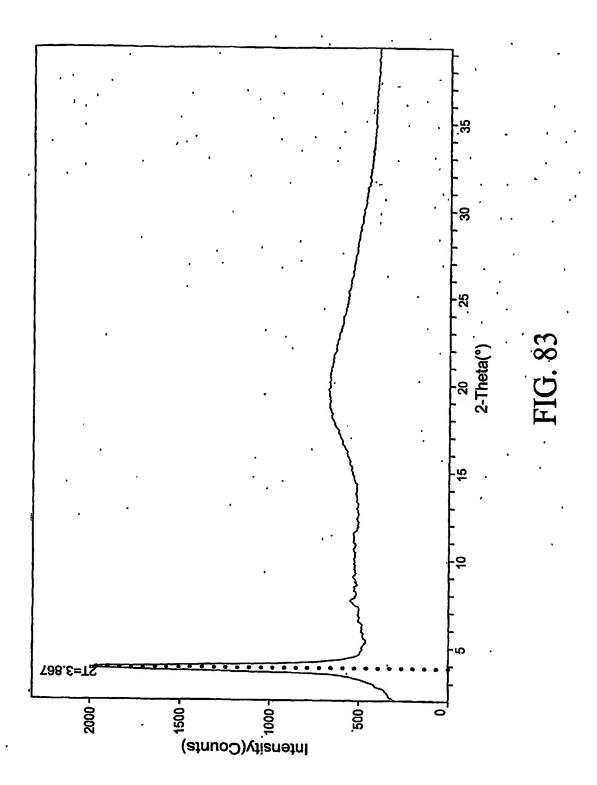
SUBSTITUTE SHEET (RULE 26)



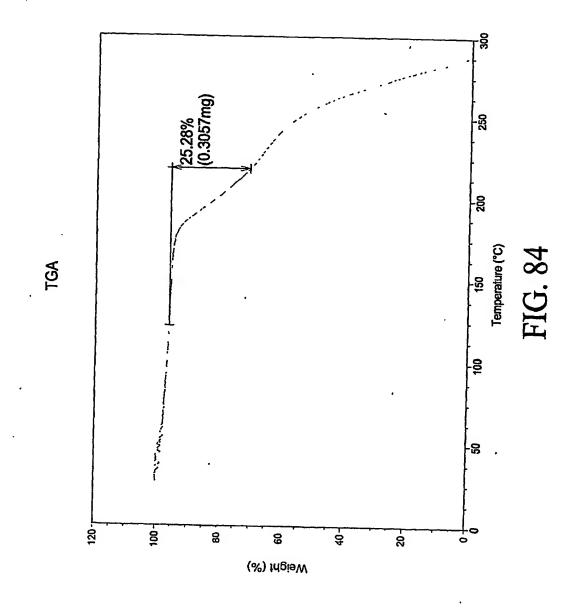
SUBSTITUTE SHEET (RULE 26)



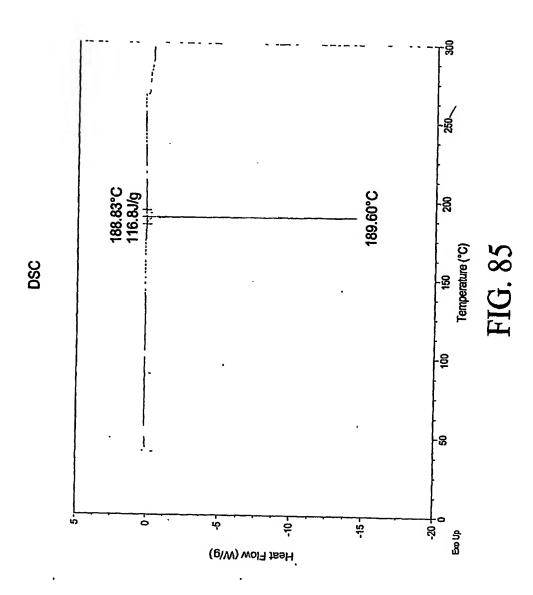
SUBSTITUTE SHEET (RULE 26)



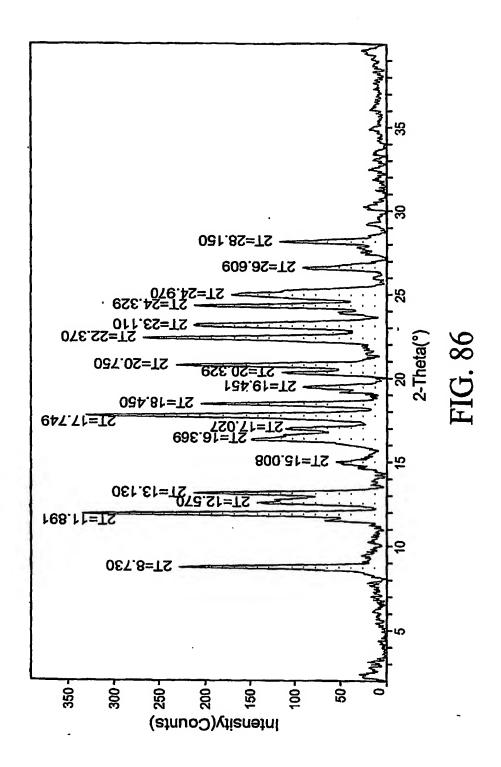
SUBSTITUTE SHEET (RULE 26)



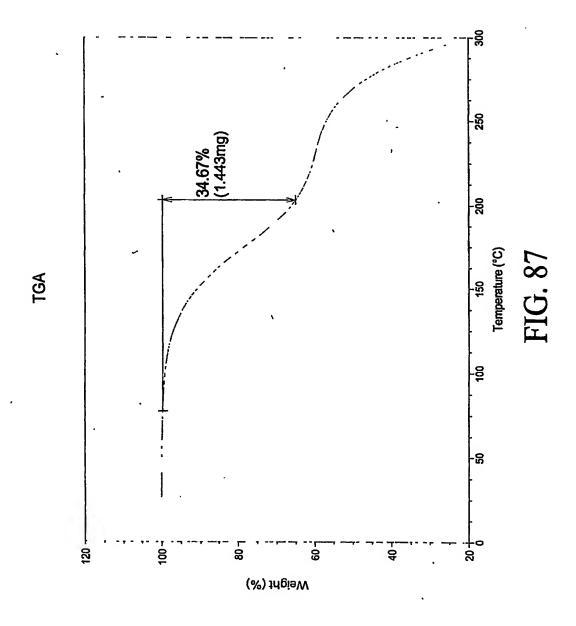
SUBSTITUTE SHEET (RULE 26)



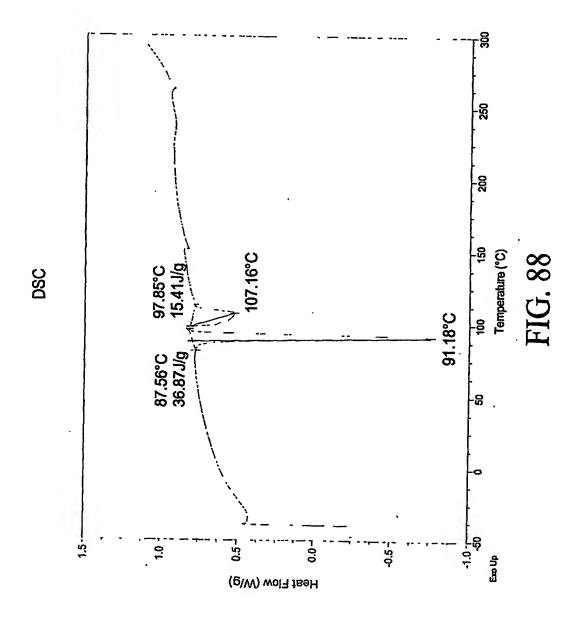
SUBSTITUTE SHEET (RULE 26)



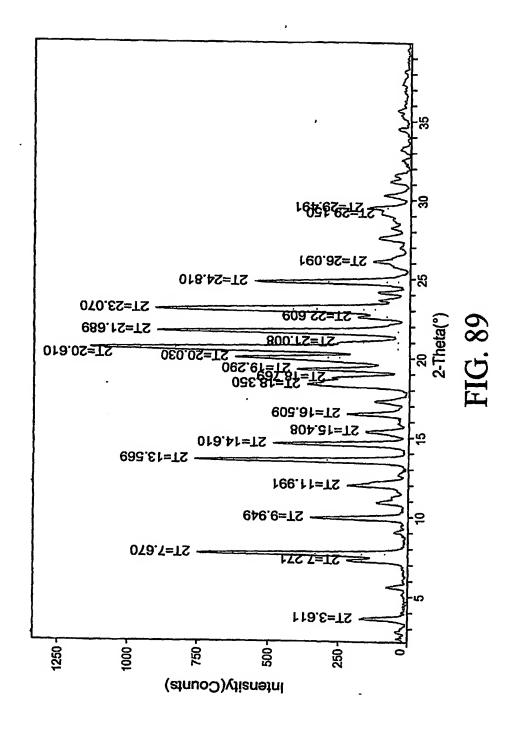
SUBSTITUTE SHEET (RULE 26)



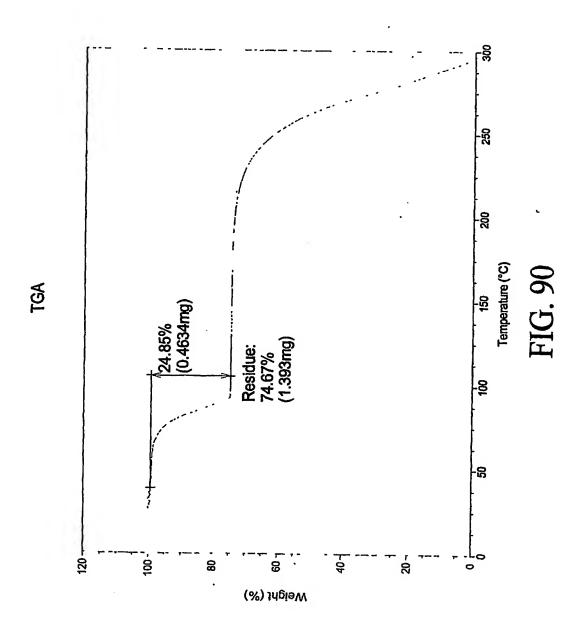
SUBSTITUTE SHEET (RULE 26)



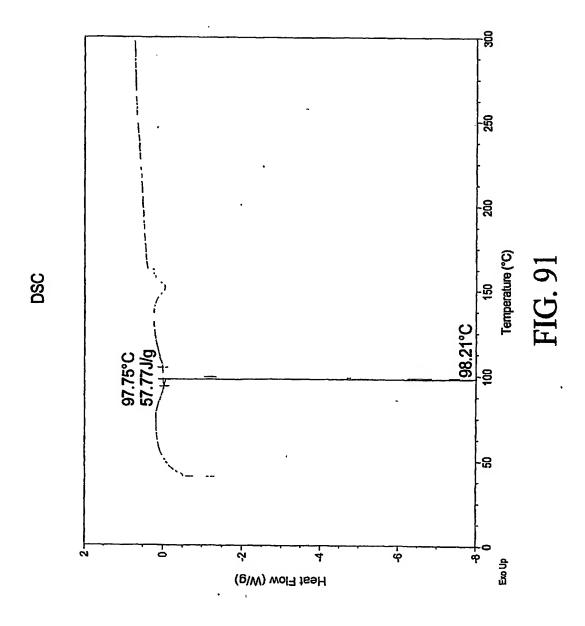
SUBSTITUTE SHEET (RULE 26)



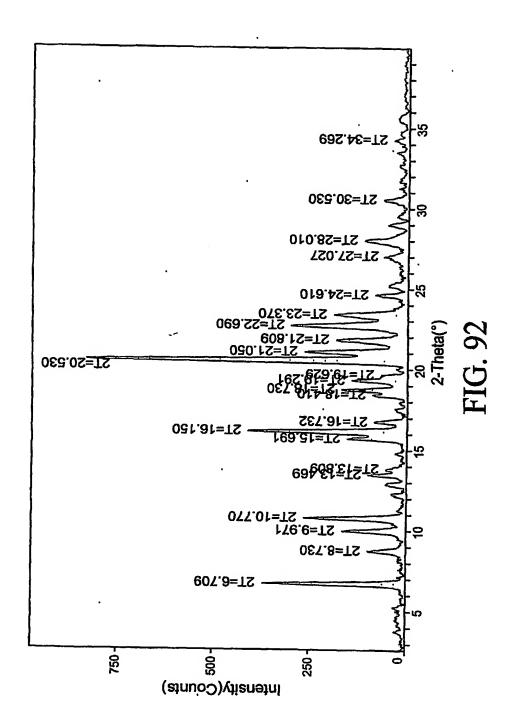
SUBSTITUTE SHEET (RULE 26)

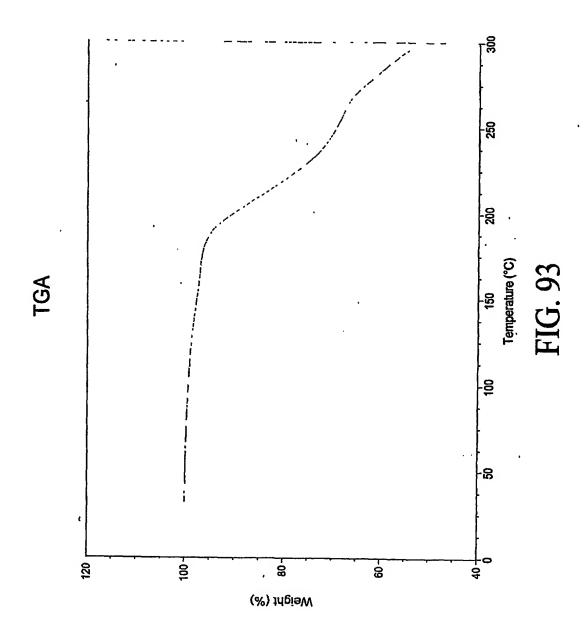


SUBSTITUTE SHEET (RULE 26)

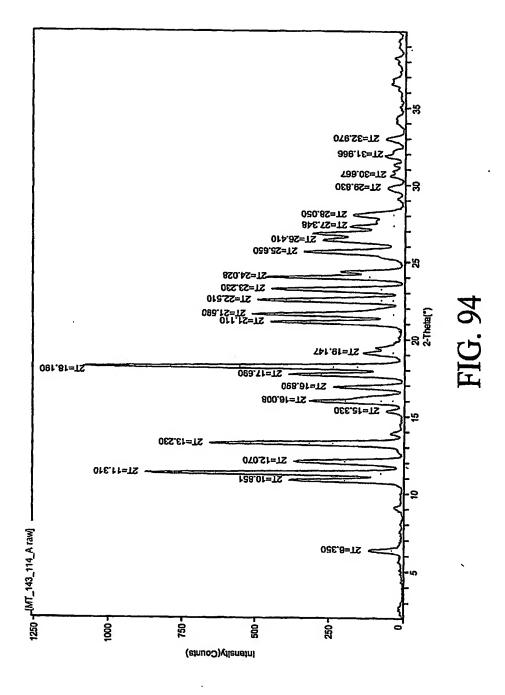


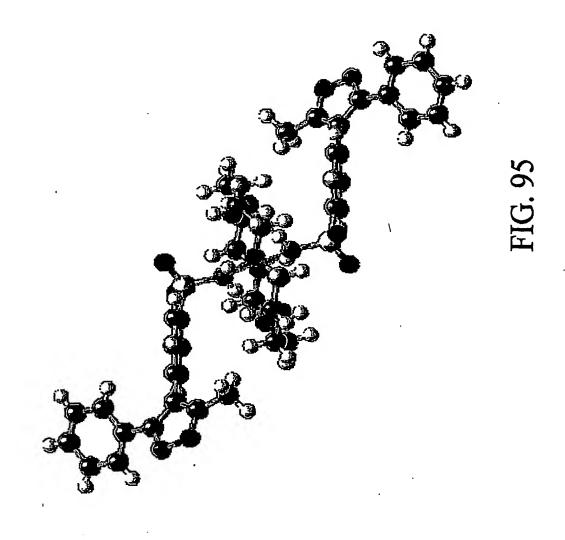
SUBSTITUTE SHEET (RULE 26)



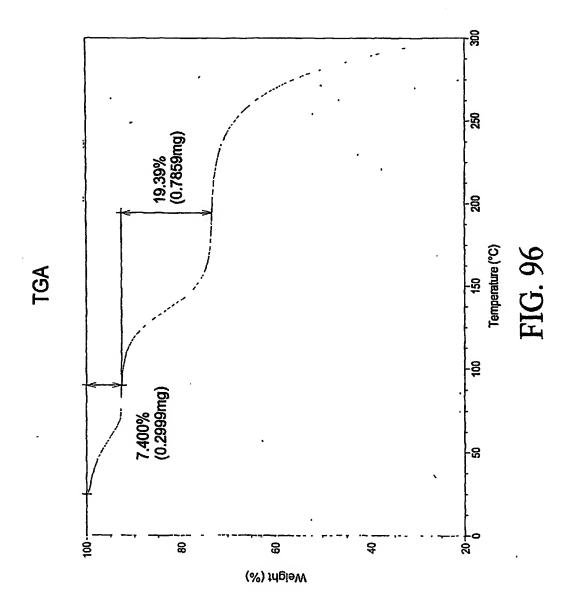


SUBSTITUTE SHEET (RULE 26)

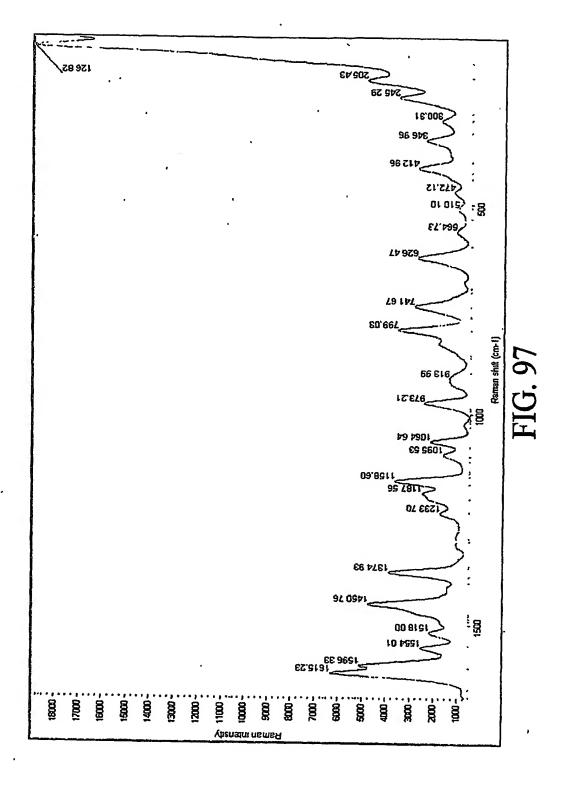




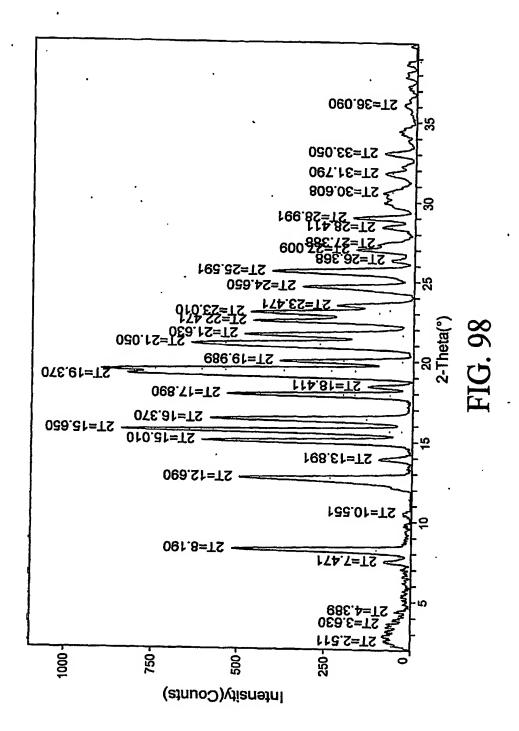
SUBSTITUTE SHEET (RULE 26)



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SUBSTITUTE SHEET (RULE 26)



SUBSTITUTE SHEET (RULE 26)

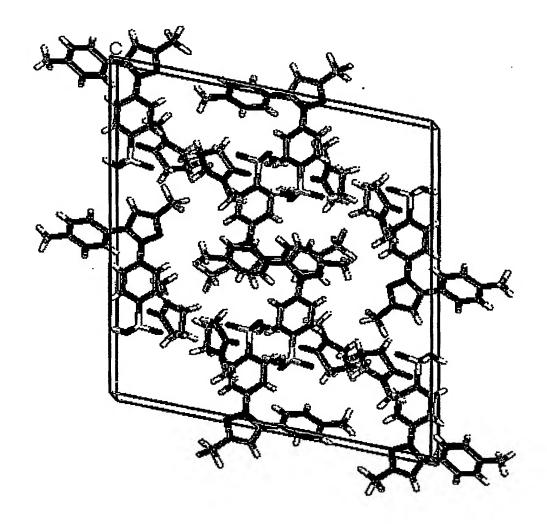
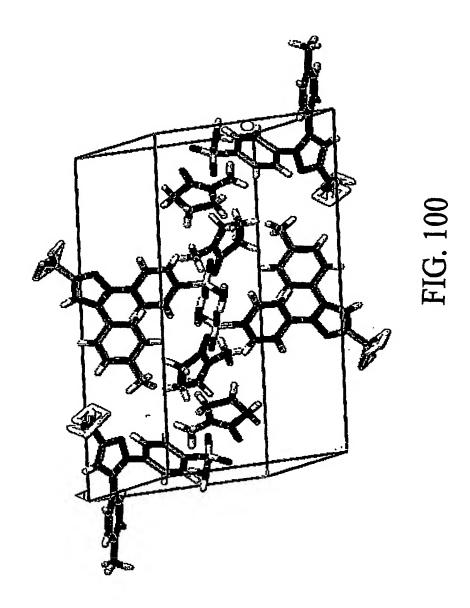
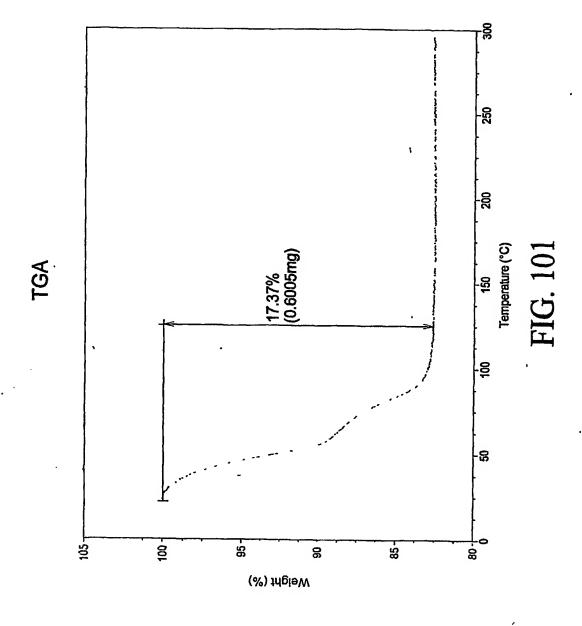


FIG. 99





SUBSTITUTE SHEET (RULE 26)

